



Welcome to More Choice

# BD Multicolor Antibody Reagents Catalog

7<sup>th</sup> Edition



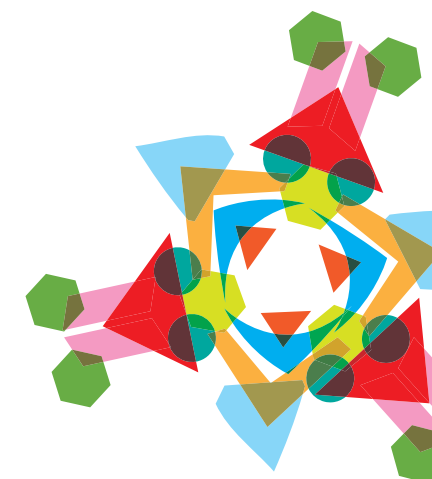
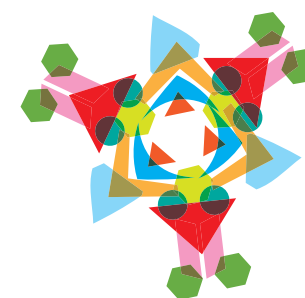
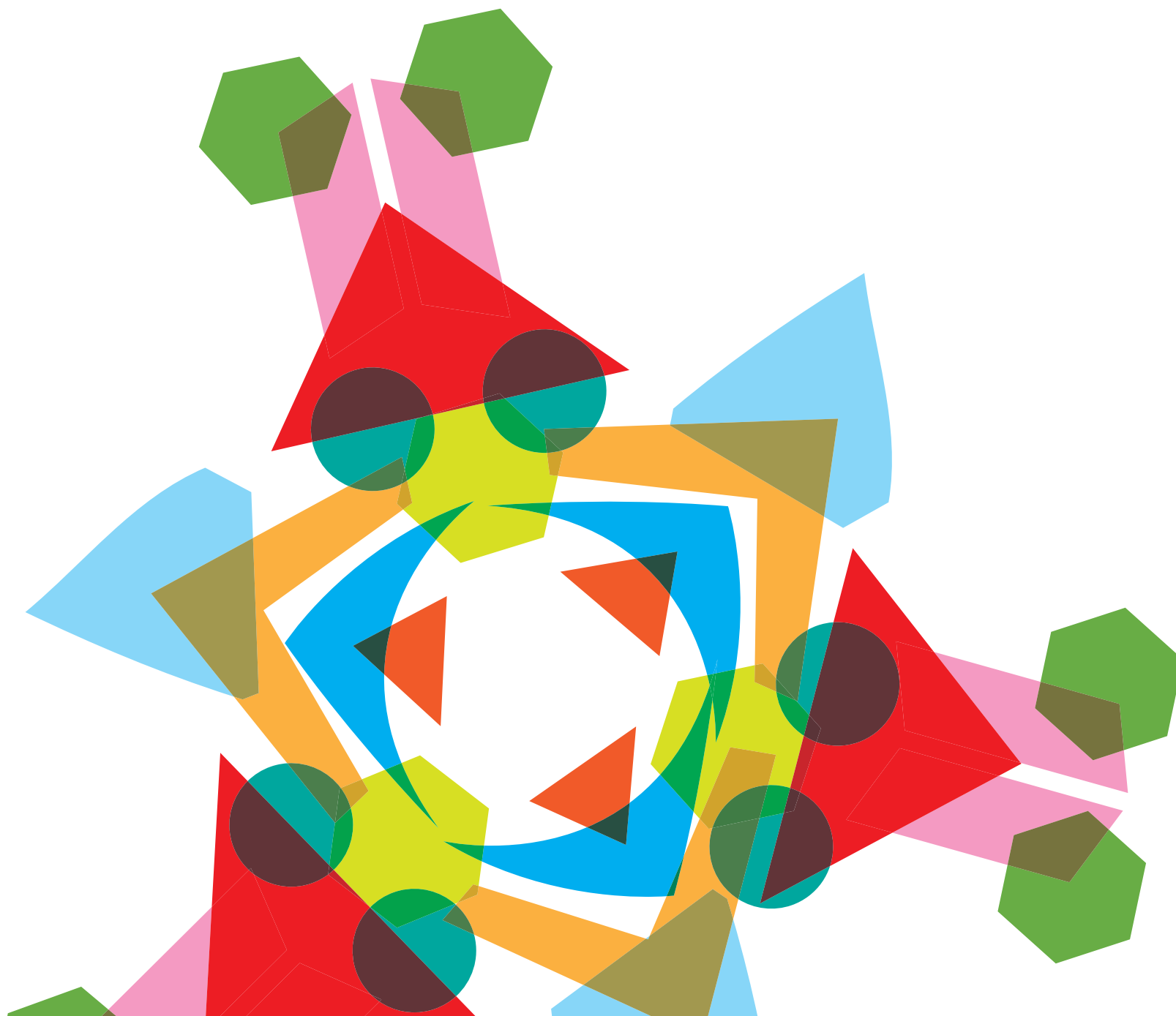
Human

Mouse

Non-Human Primate

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.

BD Multicolor Antibody Reagents Catalog



## Welcome to More Choice

## BD Multicolor Antibody Reagents Catalog

Human

Mouse

Non-Human Primate

BD continues to provide more choices for multicolor flow cytometry applications by expanding our portfolio and color options.

- Check out the newly released Brilliant Violet™ 421 conjugated antibodies, which offer PE-brightness for the violet laser. Brilliant Violet 421 can be detected in the BD Horizon™ V450 filter set (450/50 nm).
- Try our new BD Horizon™ PE-CF594 conjugated antibodies which have been optimized for BD flow cytometers equipped with blue (488-nm), green (532-nm) or yellow-green (561-nm) lasers. BD Horizon PE-CF594 offers improved brightness over other dyes in the PE-Texas Red® detector and exhibits excellent lot-to-lot consistency in spillover values.
- BD Horizon™ V500 offers an additional choice for the violet laser. This dye has improved brightness over Pacific Orange™ and reduced spillover into the FITC channel compared to AmCyan.
- Look for newly released products as we continue our commitment to provide more choices for multicolor assays.

If an antibody clone is not available in the format you are looking for, use our Custom Conjugated Antibody Express Program for even more color choices for flow cytometry.

This program offers:

- A wide variety of specificities and colors
- Short turnaround time
- A 0.5-mg minimum order size

Clones highlighted in yellow in this catalog are available through this service.

For more information, contact your local BD Biosciences representative, or visit [bdbiosciences.com/eu/reagents](https://bdbiosciences.com/eu/reagents).

### More Sizes

BD now offers a wide variety of antibody conjugates in small and large vial sizes.

Small sizes (25 test or 25 µg) are now available for hundreds of specificities.

- Use the small-size formats to determine feasibility of pilot experiments.
- Design and optimize multicolor panels with our small sizes.

Larger sizes (250 test or 500 test) are now available for many of the common markers.

- Use this convenient package size for routine assays or large studies.
- Easily obtain the same lot of conjugate for the duration of a study.
- Larger sizes are formulated to have small volumes per test (5 µL/test), optimal for multiplexing with other conjugates.



## BD Biosciences Fluorochrome Specifications

Use our Fluorochrome Specifications chart to determine which fluorochromes are excited by the lasers on your instrument. Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for more detailed information about our newest fluorochromes and instrumentation, as well as tools to help you build multicolor panels.

Fluorochrome	Fluorescence Emission Color	Ex-Max (nm)	Excitation Laser Line (nm)*	Em-Max (nm)	Analyzers					Sorters	
					BD Accuri™ C6	BD FACSCalibur™	BD FACVerse™ §	BD FACSCanto™ II	BD LSRFortessa™ Family	BD FACSAria™ III Family	BD Influx™
Hoechst 33342	Blue	350	355, 375	461					●	●	●
Brilliant Violet 421	Blue	407	405	421			●	●	●	●	●
BD Horizon V450	Blue	404	405	448			●	●	●	●	●
Pacific Blue™	Blue	401	405	452			●	●	●	●	●
BD Horizon V500	Green	415	405	500			●	●	●	●	●
AmCyan	Green	457	405	491			●	●	●	●	●
Alexa Fluor® 488	Green	495	488	519	●	●	●	●	●	●	●
FITC	Green	494	488	519	●	●	●	●	●	●	●
PE	Yellow	496, 564	488, 532, 561	578	●	●	●	●	●	●	●
BD Horizon PE-CF594	Orange	496, 564	488, 532, 561	612			●	●	●	●	●
PI	Orange	351	488, 532, 561	617	●	●	●	●	●	●	●
7-AAD	Red	543	488, 532, 561	647	●	●	●	●	●	●	●
APC†	Red	650	633, 635, 640	660	●	●	●	●	●	●	●
Alexa Fluor® 647	Red	650	633, 635, 640	668	●	●	●	●	●	●	●
PE-Cy™5†	Red	496, 564	488, 532, 561	667	●¶	●	●	●	●	●	●
PerCP	Red	482	488, 532	678	●	●	●	●	●‡	●	●‡
PerCP-Cy™5.5	Far Red	482	488, 532	695	●	●	●	●	●	●	●
Alexa Fluor® 700	Far Red	696	633, 635, 640	719			●	●	●	●	●
PE-Cy™7	Infrared	496, 564	488, 532, 561	785	●	●	●	●	●	●	●
APC-Cy7	Infrared	650	633, 635, 640	785			●	●	●	●	●
BD APC-H7	Infrared	650	633, 635, 640	785			●	●	●	●	●

\* The excitation laser line represents commonly used lasers that excite the fluorochrome. It does not necessarily reflect the lasers available for each particular instrument.




† APC and PE-Cy5 may be used together on instruments with cross-beam compensation.

‡ Sensitivity for PerCP with high-power lasers (>25 mW) is reduced and is only recommended for known highly expressed markers.

§ Capable of detecting 8 colors simultaneously (4 blue laser, 2 red laser, 2 violet laser). BD Horizon PE-CF594 and Alexa Fluor® 700 filters are available separately.

¶ Extra care must be taken to avoid spillover.

## Contents

	<b>Human</b> Antibody Reagents	<b>Mouse</b> Antibody Reagents	<b>Non-Human Primate</b> Antibody Reagents
	Surface Markers 5 – 21	 Surface Markers 33 – 44	 Surface Markers 49 – 53
	Intracellular Cytokines and Chemokines 22 – 24	Intracellular Cytokines and Chemokines 45	Intracellular Cytokines and Chemokines 54
	Intracellular Cell-Signaling and Transcription Factors 25 – 31	Intracellular Cell-Signaling and Transcription Factors 46 – 47	Intracellular Cell-Signaling and Transcription Factors 55

# BD Multicolor Antibody Reagents Catalog

## Human Antibody Reagents

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers			Violet Laser (405 nm)				Blue Laser (488 nm)							Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin	
			1		2		1		2		3			4		5		1		2		3		
Product Name	Clone	Reactivity	421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
		Emission Max	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
Alkaline Phosphatase	B4-78	Hu		561502				561495	561433				561508		561433					561500				
Annexin V	–	–		560506		561501	<b>560931</b> 566420 556419		<b>560930</b> 556422 556421				561431		<b>560930</b> 556422 556421				<b>561012</b> 550475 550474					556418 556417
CD1a	HI149	Hu					<b>560945</b> 555806		<b>561754</b> 555807		555808				<b>561754</b> 555807		555808		<b>561755</b> 559775					
	SK9	Hu							333167 <sup>c</sup>						333167 <sup>c</sup>									
CD1b	M-T101	Hu					555969																	
CD1d	CD1d42	Hu							<b>561757</b> 550255						<b>561757</b> 550255									
CD2 (LFA-2)	RPA-2.10	Hu					<b>561759</b> 555326		<b>561760</b> 555327	<b>562319</b> 562300	555328		560643		<b>561760</b> 555327	<b>562319</b> 562300	555328		560642					555325
	L303.1	Hu																						
	S5.2	Hu		644485*			347404 <sup>c</sup>		347405 <sup>c</sup>					335821 <sup>c</sup>	347405 <sup>c</sup>			335821 <sup>c</sup>	341024 <sup>c</sup>					
CD3	HIT3a	Hu					555339 561802		<b>561803</b> 555340		<b>561006</b> 555341				<b>561803</b> 555340		<b>561006</b> 555341		555342					555338
	SK7	Hu					345763 <sup>c</sup> 345764 <sup>c</sup>		345765 <sup>c</sup>			345766 <sup>c</sup>	332771 <sup>c</sup>	<b>560919</b> 341111 <sup>c</sup> 557851	345765 <sup>c</sup>			<b>560910</b> 341111 <sup>c</sup> 557851	345767 <sup>c</sup>			<b>561800</b> 341110 <sup>c</sup> 557832	<b>560275</b> 560176 641397*	
	UCHT1	Hu	<b>562427</b> 562426	<b>560366</b> 560365 561812 <sup>†</sup>	558117	<b>561417</b> 561416	<b>561806</b> 555332 555916 561807 <sup>‡</sup>	557694	<b>561808</b> 555333 561809 <sup>‡</sup>	<b>562310</b> 562280	<b>561007</b> 555334		560835		<b>561808</b> 555333 561809	<b>562310</b> 562280	<b>561007</b> 555334		<b>561810</b> 555335 561811 <sup>†</sup>	557706	<b>561027</b> 557943			555331
CD4	RPA-T4	Hu	<b>562425</b> 562424	<b>560346</b> 560345 561838 <sup>‡</sup>	558116	<b>560769</b> 560768	<b>561005</b> 555346 561842 <sup>‡</sup>	557695	<b>561843</b> 555347 561844 <sup>‡</sup>	<b>562316</b> 562281	<b>561004</b> 555348		560650	560649	<b>561843</b> 555347 561844 <sup>‡</sup>	<b>562316</b> 562281	<b>561004</b> 555348	560649	<b>561840</b> 555349 561841 <sup>†</sup>	557707	<b>561030</b> 557922	<b>561839</b> 557871	<b>560251</b> 560158	555345
	SK3	Hu					345768 <sup>c</sup>		345769 <sup>c</sup>				345770 <sup>c</sup>	332772 <sup>c</sup>	<b>560909</b> 348809 <sup>c</sup> 557852	345769 <sup>c</sup>		348809 <sup>c</sup> 557852	345771 <sup>c</sup>			341115 <sup>c</sup>	641398*	347321*
CD4 v4	L120	Hu					340422*		340419*						340419*									
CD5	L17F12	Hu		644487*			345781 <sup>c</sup>		345782 <sup>c</sup>				341109 <sup>c</sup>	348810 <sup>c</sup>	345782 <sup>c</sup>			348810 <sup>c</sup>	345783 <sup>c</sup>					347301*
	UCHT2	Hu		561154			<b>561896</b> 555352		<b>561897</b> 555353		555354				<b>561897</b> 555353		555354		<b>561003</b> 555355		561159			555351



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

<sup>c</sup> CE-IVD: CE marked in compliance with the European Directive 98/79/EC (Directive of the European Parliament and of the Council of 27 October 1998 on in vitro diagnostic medical devices)

\* RUO (GMP) status reagents

<sup>†</sup> Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

<sup>‡</sup> Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone** Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

# BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Violet Laser (405 nm)				Blue Laser (488 nm)							Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)							
			1		2		1		2		3		4		5		1	2	3	4	1		2		3
			Emission Max	421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	Clone	Reactivity	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	Biotin	
CD6	M-T605	Hu					555357		555358						555358										
	4H9	Hu					347483*																		
CD7	M-T701	Hu		642916*			<b>561933</b> 332773 <sup>c</sup> 555360		<b>561934</b> 332774 <sup>c</sup> 555361		555362		561602		<b>561934</b> 332774 <sup>c</sup> 555361		555362		561604		561603				
	G42-8	Hu					551347																		
	HIT8a	Hu					<b>560960</b> 555634		<b>560959</b> 555635		<b>561946</b> 555636				<b>560959</b> 555635		<b>561946</b> 555636								
CD8	RPA-T8	Hu	<b>562429</b> 562428	<b>560348</b> 560347	558207	<b>560775</b> 560774	<b>561947</b> 555366 561948 <sup>†</sup>	557696	<b>561949</b> 555367 561950 <sup>†</sup>	<b>562311</b> 562282	<b>561951</b> 555368		560662	<b>560917</b> 557746	<b>561949</b> 555367 561950 <sup>†</sup>	<b>561311</b> 562282	<b>561951</b> 555368	<b>560917</b> 557746	<b>561952</b> 555369 561953 <sup>†</sup>	557708	<b>561026</b> 557945			555365	
	SK1	Hu				561617	345772 <sup>c</sup>		345773 <sup>c</sup>			345774 <sup>c</sup>	341050 <sup>c</sup>	335822 <sup>c</sup>	345773 <sup>c</sup>			335822 <sup>c</sup>	345775 <sup>c</sup>			<b>561945</b> 348813 <sup>c</sup> 557834	<b>560273</b> 560179 641400*		
CD8b	2ST8.5H7	Hu							641057*						641057*				641058*						
CD9	M-L13	Hu		561326			341646* 555371		341647* 555372				341649* 561329		341647* 555372				341648*						
CD10	HI10a	Hu					332775 <sup>c</sup>		<b>561002</b> 332776 <sup>c</sup> 555375	562396	<b>561676</b> 555376			341112 <sup>c</sup>	<b>561002</b> 332776 <sup>c</sup> 555375		<b>561676</b> 555376	341112 <sup>c</sup>	332777 <sup>c</sup>						
	W8E7	Hu					347503*																		
CD11a (Integrin α <sup>1</sup> chain, LFA-1α)	HI111	Hu <sup>†</sup>					555383		555384		551131			561387	555384		551131	561387	559875						
	G-25.2	Hu					347983*																		
	G43-25B	Hu					555379		555380						555380										
CD11b (CR3)	D12	Hu							333142 <sup>c</sup>						333142 <sup>c</sup>					333143 <sup>c</sup>					
CD11b/Mac-1 (CR3)	ICRF44	Hu <sup>†</sup>		<b>560481</b> 560480	558123			<b>561687</b> 557701	<b>561001</b> 555388		<b>561686</b> 555389			<b>561685</b> 557743	<b>561001</b> 555388		<b>561686</b> 555389	<b>561685</b> 557743	<b>561015</b> 550019		557918	<b>560914</b> 557754		555387	
CD11c (Integrin α <sup>x</sup> chain)	B-ly6	Hu		<b>560370</b> 560369			561355		<b>560999</b> 555392	562393	<b>561692</b> 551077			561356	<b>560999</b> 555392		<b>561692</b> 551077	561356	<b>560895</b> 559877		561352				
CD11c (ITGAX, CD11C Integrin α <sup>x</sup> chain)	S-HCL-3	Hu							333149 <sup>c</sup>						333149 <sup>c</sup>					333144 <sup>c</sup>					
CD13	L138	Hu							347406 <sup>c</sup>					338439 <sup>c</sup>	347406 <sup>c</sup>										
	WM15	Hu							<b>560998</b> 555394				561361	561599	<b>560998</b> 555394			561599	<b>561698</b> 557454						



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

<sup>c</sup> CE-IVD: CE marked in compliance with the European Directive 98/79/EC (Directive of the European Parliament and of the Council of 27 October 1998 on in vitro diagnostic medical devices)

\* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone** Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

# BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Violet Laser (405 nm)				Blue Laser (488 nm)							Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)							
			1		2		1		2		3	4		5	1	2	3	4	1	2	3				
Product Name	Clone	Reactivity	421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	Biotin	
		Emission Max	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
CD14	M5E2	Hu†		561390	558121	561392 561391	561712 555397	561706 557700	561707 555398				561116 550787	560919 557742	561707 555398			560919 557742	561708 555399		561029 557923				
	MφP9	Hu		560350 560349			345784 <sup>c</sup>		345785 <sup>c</sup>	562334 562335		345786 <sup>c</sup>			345785 <sup>c</sup>	562334 562335			340436* 345787 <sup>c</sup>			561709 333951 <sup>c</sup> 557831	560270 560180 641394*		
CD15	HI98	Hu		561584		561585	560997 555401		561715 555402				560828	560827	561715 555402			560827	561716 551376						
	MMA	Hu		642917*			332778 <sup>c</sup>																		
CD16	3G8	Hu†		560475 560474 644489*	558122	561393 561394	560996 555406		560995 555407	562320 562293	561725 555408		338440 <sup>c</sup> 560717	560918 557744	560995 555407	562320 562293	555408 561725	560918 557744		561724 557710	557920 560713	561726 557758	560248 560195	555405	
	B73.1	Hu		561310			561308		332779 <sup>c</sup> 561313					335823 <sup>c</sup>	332779 <sup>c</sup> 561313			335823 <sup>c</sup>	561304				561306		
	NKP15	Hu					335035 <sup>c</sup>																		
CD16b	CLB-gran11.5	Hu							550868						550868										
CD18 (Integrin β <sub>2</sub> chain, CR3/CR4)	L130	Hu					347953*																		
	6.7	Hu†					555923		555924			557528			555924		557528		551060						
CD19	4G7	Hu					345776 <sup>c</sup>		345777 <sup>c</sup>				345778 <sup>c</sup>												
	HIB19	Hu	562441 562440	560354 560353		561125 561121	560994 555412	561741 557697	555413	562321 562294	560993 555414		561295	560728	561741 555413	562321 562294	560993 555414	560728	561742 555415		561031 557921		560727	555411	
	SJ25C1	Hu		644491*			345788 <sup>c</sup>		345789 <sup>c</sup>				345790 <sup>c</sup>	332780 <sup>c</sup>	560911 341113 <sup>c</sup> 557835	345789 <sup>c</sup>			560911 341113 <sup>c</sup> 557835	345791 <sup>c</sup>		561743 348814 <sup>c</sup> 557791	560252 560177 641395*		
CD20	2H7	Hu					560962 555622		560961 555623	562322 562295	561761 555624		560736	560735	560961 555623	562322 562295	561761 555624	560735	560900 559776		560631		560734		
	L27	Hu		642274* 561164			345792 <sup>c</sup>		345793 <sup>c</sup> 347201* 347220 <sup>c</sup>				345794 <sup>c</sup>	332781 <sup>c</sup>	335828 <sup>c</sup>	345793 <sup>c</sup> 347201*			335828 <sup>c</sup>	340908 <sup>c</sup>		335829 <sup>c</sup>	641396*		
CD21 (CR2)	B-ly4	Hu†		561381			561372		561768 555422			551064		561374	561768 555422		551064	561374	561767 559867						
CD22 (BL-CAM)	HIB22	Hu					561771 555424					555425					555425								
	S-HCL-1	Hu					337898 <sup>c</sup>		337899 <sup>c</sup>						337899 <sup>c</sup>				333145 <sup>c</sup>						



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

<sup>c</sup> CE-IVD: CE marked in compliance with the European Directive 98/79/EC (Directive of the European Parliament and of the Council of 27 October 1998 on in vitro diagnostic medical devices)

\* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone**

Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

# BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Violet Laser (405 nm)				Blue Laser (488 nm)							Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)							
			1		2		1		2		3		4		5		1	2	3	4	1		2		3
			Emission Max	421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	Clone	Reactivity	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	Biotin	
CD23	EBVCS-5	Hu							332782 <sup>c</sup>						332782 <sup>c</sup>				335036 <sup>c</sup>						
	M-L233	Hu					561146		<b>561774</b> 555711				561166	561167	<b>561774</b> 555711			561167	558690					555709	
CD24 (Heat stable antigen)	ML5	Hu					<b>560992</b> 555427		<b>560991</b> 555428				561647	561646	<b>560991</b> 555428			561646		561644					
CD25 (IL-2 receptor α chain)	2A3	Hu					345796 <sup>c</sup>		341011 <sup>c</sup>					335824 <sup>c</sup>	341011 <sup>c</sup>			335824 <sup>c</sup>	340907 <sup>c</sup>						
	M-A251	Hu	<b>562443</b> 562442	<b>560356</b> 560355			<b>560990</b> 555431		<b>560989</b> 555432	562403	<b>560988</b> 555433		560503	<b>560920</b> 557741	<b>560989</b> 555432	562403	<b>560988</b> 555433	<b>560920</b> 557741	<b>560987</b> 555434		561398	<b>561782</b> 557753	<b>560244</b> 560225		
CD26	L272	Hu					340426*		340423*						340423*										
	M-A261	Hu					555436		555437						555437										
CD27	L128	Hu					340424*		340425*						340425*									337169*	
	M-T271	Hu†		<b>560458</b> 560448		<b>561223</b> 561222	<b>560986</b> 555440		<b>560985</b> 555441	<b>562324</b> 562297			560612	560609	<b>560985</b> 555441	<b>562324</b> 562297		560609	<b>561786</b> 558664		560611		<b>560223</b> 560222		
CD28	CD28.2	Hu		561377			<b>561790</b> 555728		<b>561793</b> 555729	<b>563323</b> 562296	<b>561791</b> 555730			560684	<b>561793</b> 555729	<b>563323</b> 562296	<b>561791</b> 555730	560684	<b>561792</b> 559770				561368	555727	
	L293	Hu							348047*				337181*		348047*										
CD29 (IL-2 Receptor β <sub>1</sub> chain)	MAR4	Hu							<b>561795</b> 555443		559882				<b>561795</b> 555443		559882		<b>561794</b> 559883						
	HUTS-21	Hu							556049						556049										
CD30 (Ki-1)	BerH8	Hu					555829		550041						550041									555828	
	Ber-H83	Hu					341644*		341645*						341645*										
CD31 (PECAM-1)	L133.1	Hu							340297*						340297*										
	M89D3	Hu						558068																558094	
	WM59	Hu		561653			<b>560984</b> 555445		<b>560983</b> 555446						<b>560983</b> 555446									561654	
CD32 (FcγRII)	3D3	Hu					552883		552884						552884										
	FLI8.26	Hu					555448		550586						550586					559769					
CD33	HIM3-4	Hu					<b>561818</b> 555626																		
	P67.6	Hu					345798 <sup>c</sup>		345799 <sup>c</sup>					333146 <sup>c</sup>	333952 <sup>c</sup>	345799 <sup>c</sup>			333952 <sup>c</sup>	345800 <sup>c</sup>					
	WM53	Hu		561157					<b>561816</b> 555450		551377				<b>561816</b> 555450		551377		<b>561817</b> 551378		561160				



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

<sup>c</sup> CE-IVD: CE marked in compliance with the European Directive 98/79/EC (Directive of the European Parliament and of the Council of 27 October 1998 on in vitro diagnostic medical devices)

\* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone** Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

# BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Violet Laser (405 nm)				Blue Laser (488 nm)								Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					
			1		2		1		2		3		4		5		1	2	3	4	1		2	
Product Name	Clone	Reactivity	421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	Biotin
		Emission Max	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD34 (gp 105-120)	<b>563</b>	Hu							550761						550761									
	<b>581</b>	Hu					<b>560942</b> 555821		<b>560941</b> 555822		<b>561819</b> 555823			560710	<b>560941</b> 555822		<b>561819</b> 555823	560710	<b>560940</b> 555824		561440			
	<b>8G12</b>	Hu					345801 <sup>c</sup>		345802 <sup>c</sup>			345803 <sup>c</sup>	347222 <sup>c</sup>	348811 <sup>c</sup>	345802 <sup>c</sup>			348811 <sup>c</sup>	345804 <sup>c</sup>					
CD35 (CR1)	<b>E11</b>	Hu					555452		559872						559872									
CD36	<b>CB38 (NL07)</b>	Hu		561535			<b>561820</b> 555454		<b>561821</b> 555455				561536		<b>561821</b> 555455									
CD37	<b>M-B371</b>	Hu		561548			555457		561546					561563	561546						561562			
CD38	<b>HB7</b>	Hu		646851*			340909 <sup>c</sup>		342371* 345806 <sup>c</sup>					335825 <sup>c</sup>	342371* 345806 <sup>c</sup>			335825 <sup>c</sup>	345807 <sup>c</sup>					
	<b>HIT2</b>	Hu	<b>562445</b> 562444	561378			<b>560982</b> 555459		<b>560981</b> 555460	<b>562325</b> 562288	<b>561823</b> 555461		<b>561106</b> 551400	560677	<b>560981</b> 555460	<b>562325</b> 562288	<b>561823</b> 555461	560677	<b>560980</b> 555462		560676			
CD39 (ENTPD1, NTPDase)	<b>TÜ66</b>	Hu					561444		555464						555464				560239					
CD40	<b>5C3</b>	Hu					<b>561847</b> 555588		<b>560963</b> 555589		555590			561215	<b>560963</b> 555589		555590	561215				561208		561211
CD41a	<b>HIP8</b>	Hu		561425			<b>561851</b> 555466 333147 <sup>c</sup>		<b>560979</b> <b>561679</b> 555647		559768		333148 <sup>c</sup>	561424	<b>560979</b> <b>561679</b> 555647		559768	561424	<b>561852</b> 559777					561422
CD41b	<b>HIP2</b>	Hu					555469																	
CD42a	<b>ALMA.16</b>	Hu					<b>561853</b> 558818		558819						558819									
	<b>Beb1</b>	Hu					348083*						340537*											
CD42b	<b>HIP1</b>	Hu					<b>561855</b> 555472		<b>561854</b> 555473		551141				<b>561854</b> 555473		551141							
CD43 (Leukosialin)	<b>1G10</b>	Hu					<b>560978</b> 555475		560199						560199				560198					
CD44 (Pgp-1, H-CAM, Ly24)	<b>515</b>	Hu							550989						550989									
	<b>G44-26</b>	Hu		561292			<b>560977</b> 555478		<b>561858</b> 555479				560531	560533	<b>561858</b> 555479			560533	<b>560890</b> 559942		561289		560532	555477
	<b>L178</b>	Hu					347943*																	



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

<sup>c</sup> CE-IVD: CE marked in compliance with the European Directive 98/79/EC (Directive of the European Parliament and of the Council of 27 October 1998 on in vitro diagnostic medical devices)

\* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone** Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

# BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Violet Laser (405 nm)				Blue Laser (488 nm)							Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						
			1		2		1		2		3		4			5	1	2	3	4	1		2	3
Product Name	Clone	Reactivity	421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	Biotin
		Emission Max	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD45 (Leucocyte common antigen)	2D1	Hu		642275*			345808 <sup>c</sup>							345809 <sup>c</sup>	332784 <sup>c</sup>				340910 <sup>c</sup>			<b>561863</b> 348815 <sup>c</sup> 557833	<b>560274</b> 560178 641399*	
	HI30	Hu		<b>560368</b> 560367		<b>560779</b> 560777	<b>560976</b> 555482 561865 <sup>†</sup>		<b>560975</b> 555483 561866 <sup>†</sup>	<b>562312</b> 562279	<b>560974</b> 555484			<b>560915</b> 557748	<b>560975</b> 555483 561866 <sup>†</sup>	<b>562312</b> 562279	<b>560974</b> 555484	<b>560915</b> 557748	<b>560973</b> 555485 561864 <sup>†</sup>		560566			555481
CD45R/B220	RA3-6B2	Hu <sup>†</sup>			558108		<b>561877</b> 553087 553088	557669	<b>561878</b> 553089 553090	<b>562313</b> 562290	<b>561879</b> 553091	553093	552771	<b>561881</b> 552772	<b>561878</b> 553089 553090	<b>562313</b> 562290	<b>561879</b> 553091	<b>561881</b> 552772	<b>561880</b> 553092	557683	557957	552094		553085 553086
CD45RA	HI100	Hu		<b>560363</b> 560362		561640	<b>561882</b> 555488		<b>561883</b> 555489	<b>562326</b> 562298	<b>561885</b> 555490			560675	<b>561883</b> 555489	<b>562326</b> 562298	<b>561885</b> 555490	560675			560673		560674	555487
	L48	Hu					335039 <sup>c</sup>							337186 <sup>c</sup>					337186 <sup>c</sup>					
CD45RB	MT4	Hu							555904						555904									
CD45RO	UCHL1	Hu					<b>561887</b> 555492		<b>561889</b> 347967* 555493	<b>562327</b> 562299	<b>561888</b> 555494		560607	337168* 560608	<b>561889</b> 347967* 555493	<b>562327</b> 562299	<b>561888</b> 555494	337168* 560608	<b>560899</b> 559865 340438*		561136		561137	
CD46 (MCP)	E4.3	Hu					555949																	
CD47 (IAP)	B6H12	Hu		561594			556045		556046					561261	556046					561249				
CD48 (BCM1)	TÜ145	Hu					555759		552855						552855									
CD49a (Integrin α <sub>1</sub> chain)	SR84	Hu							559596						559596									
CD49b (Integrin α <sub>2</sub> chain)	12F1	Hu							555669						555669									
	AK-7	Hu					555498																	
CD49c (Integrin α <sub>3</sub> chain)	C3 II.1	Hu							556025						556025									
CD49d (Integrin α <sub>4</sub> chain)	9F10	Hu <sup>†</sup>					560840		<b>560972</b> 555503		559880				<b>560972</b> 555503		559880		<b>561892</b> 559881					
	L25	Hu							340296*						340296*									
CD49e (Integrin α <sub>5</sub> chain)	IIA1	Hu <sup>†</sup>							561894 555617						555617									555616
CD49f (Integrin α <sub>6</sub> chain)	GoH3	Hu <sup>†</sup>					<b>561893</b> 555735		<b>561894</b> 555736		551129				<b>561894</b> 555736		551129							
CD50 (ICAM-3)	TÜ41	Hu					555958																	
CD51/61	23C6	Hu <sup>†</sup>					555505		550037						550037									
CD53	HI29	Hu							555508						555508									



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

<sup>c</sup> CE-IVD: CE marked in compliance with the European Directive 98/79/EC (Directive of the European Parliament and of the Council of 27 October 1998 on in vitro diagnostic medical devices)

\* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone** Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

# BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Violet Laser (405 nm)				Blue Laser (488 nm)								Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						
			1		2		1		2		3		4		5		1		2		3				
Product Name	Clone	Reactivity	421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	Biotin	
		Emission Max	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
CD54 (ICAM-1)	HA58	Hu							560971 555511		555512				560971 555511		555512		561899 559771					559817	
	LB-2	Hu							347977*						347977*										
CD55 (DAF)	IA10	Hu					561900 555693		561901 341030* 555694		555695				561901 341030* 555694		555695		555696						555692
CD56 (N-CAM)	B159	Hu		560361 560360				561905 557699	561903 555516	562328 562289	561904 555517		560842	560916 557747	561903 555516	562328 562289	561904 555517	560916 557747	555518	557711	561902 557919				555515
	MY31	Hu							345810 <sup>c</sup>						345810 <sup>c</sup>										
	NCAM16.2	Hu					345811 <sup>c</sup>		345812 <sup>c</sup>					335826 <sup>c</sup>	345812 <sup>c</sup>				335826 <sup>c</sup>	341027 <sup>c</sup>					
CD57	HNK-1	Hu					333169 <sup>c</sup>																		347391*
	NK-1	Hu					561906 555619		560844						560844					560845					
CD58 (LFA-3)	1C3	Hu <sup>†</sup>					561907 555920		555921		551399				555921		551399								
	L306.4	Hu							340295*						340295*										
CD59	p282 (H19)	Hu					560954 555763		560953 555764						560953 555764										555762
CD61 (Integrin β <sub>3</sub> chain)	VI-PL2	Hu <sup>†</sup>					561913 555753		561912 555754						561912 555754										
	RUU-PL7F12	Hu					347407 <sup>c</sup>					347408 <sup>c</sup>													
CD62E (E-selectin)	68-5H11	Hu						551145		550040					551145		550040		551144						555649
CD62L (L-selectin)	SK11	Hu					347443*		341012*						341012*										
	Dreg 56	Hu		560441 560440			561914 555543		555544	562330 562301	561915 555545				555544	562330 562301	561915 555545		561916 559772						
CD62P (P-selectin)	AC1.2	Hu <sup>†</sup>							348107*						348107*										
	AK-4	Hu					561922 555523		561921 555524		551142				561921 555524		551142		561920 550888						
CD63	H5C6	Hu <sup>†</sup>		561984			561926 557288		561925 556020				561982	561925 556020				561982		561983					
CD64	10.1	Hu		561202			560970 555527		561926 558592 644385*				561194	561191	561926 558592 644385*			561191	561189		561188		561190	555526	
CD66 (CEA, carcino-embryonic antigen)	B1.1/CD66	Hu					551479		551480						551480										



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

<sup>c</sup> CE-IVD: CE marked in compliance with the European Directive 98/79/EC (Directive of the European Parliament and of the Council of 27 October 1998 on in vitro diagnostic medical devices)

\* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone** Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

# BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Violet Laser (405 nm)				Blue Laser (488 nm)							Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)							
			1		2		1		2		3		4		5		1		2		3				
			Emission Max		421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm
Product Name	Clone	Reactivity	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	Biotin	
CD66b	<b>G10F5</b>	Hu		561649			<b>561927</b> 555724		561650					562254		561650					561645				
CD66c (CEA, carcino-embryonic antigen)	<b>B6.2/CD66c</b>	Hu					551775		551478						551478										
CD68	<b>Y1/82A</b>	Hu					562117		556078						556078						562111				
CD69 (Very early activation antigen)	<b>FN50</b>	Hu <sup>†</sup>		560740			<b>560969</b> 555530		<b>560968</b> 555531		555532			<b>561928</b> 557745	<b>560968</b> 555531		555532	<b>561928</b> 557745	<b>560967</b> 555533		560739	<b>560912</b> 557756			
	<b>L78</b>	Hu					347823*		341652*			340548*		335792*	341652*				335792*	340560*					
CD70	<b>Ki-24</b>	Hu					555834		<b>561935</b> 555835						<b>561935</b> 555835										
CD71 (Transferrin receptor)	<b>L01.1</b>	Hu					333151 <sup>c</sup>														337447 <sup>c</sup>				
	<b>M-A712</b>	Hu					<b>561939</b> 555536		<b>561938</b> 555537		551143				<b>561938</b> 555537		551143		<b>561940</b> 551374					555535	
CD72	<b>J4-117</b>	Hu					555918																		
CD73 (Ecto-5'-nucleotidase)	<b>AD2</b>	Hu	<b>562431</b> 562430	561255			561254		<b>561014</b> 550257				561260	561258	<b>561014</b> 550257		561258				560847				
CD74	<b>M-B741</b>	Hu					555540																		
CD75	<b>LN1</b>	Hu					555654																		
CD77	<b>5B5</b>	Hu					551353																		
CD79a (Igα, mb-1)	<b>HM47</b>	Hu <sup>†</sup>							333152 <sup>c</sup> 555935 561942					333153 <sup>c</sup>	333152 <sup>c</sup> 555935 561942						333154 <sup>c</sup> 551134				
CD79b (Igβ)	<b>CB3-1</b>	Hu							<b>561943</b> 555679		551063				<b>561943</b> 555679		551063				550955				
	<b>SN8</b>	Hu					335832 <sup>c</sup>		335833 <sup>c</sup> 557931						335833 <sup>c</sup> 557931						335834 <sup>c</sup>				
CD80 (B7-1)	<b>BB1</b>	Hu					555683																		555682
	<b>L307.4</b>	Hu		<b>560444</b> 560442			<b>560926</b> 557226		<b>560925</b> 557227		559370			561135	<b>560925</b> 557227		559370	561135				561133		561134	557225
CD81 (TAPA-1)	<b>JS-81</b>	Hu					<b>561956</b> 551108		<b>561957</b> 555676						<b>561957</b> 555676						<b>561958</b> 551112				
CD83	<b>HB15e</b>	Hu <sup>†</sup>					<b>560929</b> 556910		<b>561959</b> 550634 556855		551058			561132	<b>561959</b> 550634 556855		551058	561132			<b>561960</b> 551073				



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

<sup>c</sup> CE-IVD: CE marked in compliance with the European Directive 98/79/EC (Directive of the European Parliament and of the Council of 27 October 1998 on in vitro diagnostic medical devices)

\* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone** Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

# BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Violet Laser (405 nm)				Blue Laser (488 nm)								Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						
			1		2		1		2		3		4		5		1	2	3	4	1		2		3
Product Name	Clone	Reactivity	421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	Biotin	
		Emission Max	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
CD85j	GHI/75	Hu					555942		551053		551054				551053		551054								
	IT2.2	Hu							555665		555666				555665		555666							555664	
CD86 (B70/B7-2)	2331 (FUN-1)	Hu†	<b>562433</b> 562432	<b>560359</b> 560357			<b>560958</b> 555657		<b>560957</b> 555658	562390	555659		561129	561128	<b>560957</b> 555658	562390	555659	561128	555660		561124				555656
CD87	VIM5	Hu							555768						555768										
CD88 (C5a receptor)	C85-4124	Hu							552993						552993										
	D53-1473	Hu							550494						550494										
CD89	A59	Hu							555686						555686										
CD90 (Thy-1)	5E10	Hu†					<b>561969</b> 555595		<b>561970</b> 555596		<b>561972</b> 555597		561557	561558	<b>561970</b> 555596		<b>561972</b> 555597	561558	<b>561971</b> 559869						555594
CD91	A2MR-a2	Hu					550496		550497						550497										
CDw93 (C1qRp)	R139	Hu					551531																		
CD94	HP-3D9	Hu					555888		555889				562361		555889					559876					
CD95 (Fas/APO-1)	DX2	Hu†		561632			<b>561975</b> 340479* 555673		<b>561976</b> 340480* 555674		<b>561977</b> 559773		561655	561633	<b>561976</b> 340480* 555674		<b>561977</b> 559773	561633	<b>561978</b> 340481* 558814						555672
CD97	VIM3b	Hu					555773		555774						555774										
CD98	UM7F8	Hu					556076		556077						556077										
CD99	TÜ12	Hu					<b>561986</b> 555688		555689						555689										
CD102 (ICAM-2)	CBR-1C2/2.1	Hu							558080						558080										
CD103	Ber-ACT8	Hu					<b>561677</b> 333155 <sup>c</sup> 550259		333156 <sup>c</sup> 550260						333156 <sup>c</sup> 550260										
CD104 (Integrin β <sub>4</sub> chain)	439-9B	Hu							555720						555720										
CD105	266	Hu		561447			561443		560839				560819		560839					561439					
CD106 (VCAM-1)	51-10C9	Hu					551146		<b>561679</b> 555647		551148				<b>561679</b> 555647		551148		551147						
CD107a (LAMP-1)	H4A3	Hu		561345			<b>560949</b> 555800		<b>560948</b> 555801		<b>560947</b> 555802			561348	<b>560948</b> 555801		<b>560947</b> 555802	561348	641581* 560664		561340		561343	555799	
CD107b (LAMP-2)	H4B4	Hu					<b>560946</b> 555804																		
CD108	KS-2	Hu							552830						552830										
CD109	TEA 2/16	Hu							556040						556040										



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

<sup>c</sup> CE-IVD: CE marked in compliance with the European Directive 98/79/EC (Directive of the European Parliament and of the Council of 27 October 1998 on in vitro diagnostic medical devices)

\* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone** Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

# BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Violet Laser (405 nm)				Blue Laser (488 nm)							Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						
			1		2		1		2		3		4		5		1	2	3	4	1	2		3
Product Name	Clone	Reactivity	421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	Biotin
		Emission Max	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD110	1.6.1	Hu							562159						562159				562199	562188				
CD112 (PRR2)	R2.525	Hu							551057						551057									
CD114 (G-CSF receptor)	LMM741	Hu							554538						554538									
CD116 (GM-CSF receptor α chain)	hGMCSFR-M1	Hu							551373						551373									
	M5D12	Hu					554532																	
CD117 (c-kit)	104D2	Hu							332785 <sup>c</sup>				333950 <sup>c</sup>	339217 <sup>c</sup>	332785 <sup>c</sup>			339217 <sup>c</sup>	333233 <sup>c</sup>					
	YB5.B8	Hu	562435 562434						561682 555714		559879		562094		561682 555714		559879		561118 550412					
CD119 (IFN-γ receptor α chain)	GIR-208	Hu							558934						558934									
	GIR-94	Hu							558937						558937									
CD120b (TNF receptor type II)	hTNFR-M1	Hu							552418						552418									552477
CD122 (IL-2 receptor β chain)	Mikβ2	Hu							554522						554522									
	Mik-β3	Hu							554525						554525									554524
	TU27	Hu							340254*						340254*									
CD123 (IL-3 receptor α chain)	7G3	Hu					561694 558663		561058 554529	562391			560904 558714	560826	561058 554529	562391		560826	560087					554528
	9F5	Hu							561050 555644 340545*		561009 551065				561050 555644 340545*		561009 551065							555643
CD124 (IL-4 receptor α chain)	hIL4R-M57	Hu							552178						552178									552120
CDw125 (IL-5 receptor α)	A14	Hu							555902						555902									
CD126 (IL-6 receptor α chain)	M5	Hu							561696 551850						561696 551850				562090					
CD127 (IL-7 receptor α subunit)	hIL-7R-M21	Hu	562437 562436	560823			561697 560549		561028 557938	562397			560551	560822	561028 557938	562397		560822		560905 558598				558633
CD130 (gp130)	AM64	Hu							555757						555757									
CD132 (Common γ chain)	TUGh4	Hu†							561699 555898						561699 555898									555897
	AG184	Hu							555900						555900									



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

<sup>c</sup> CE-IVD: CE marked in compliance with the European Directive 98/79/EC (Directive of the European Parliament and of the Council of 27 October 1998 on in vitro diagnostic medical devices)

\* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone** Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

# BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Violet Laser (405 nm)				Blue Laser (488 nm)							Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)							
			1		2		1		2		3		4		5		1		2		3				
Product Name	Clone	Reactivity	421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	Biotin	
		Emission Max	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
CD134 (OX40)	ACT35	Hu					555837		<b>561700</b> 555838		551500				<b>561700</b> 555838		551500								
	L106	Hu							340420*						340420*										
CD135	4G8	Hu							558996						558996										
CD137 (4-1BB)	4B4-1	Hu							<b>561701</b> 555956		551137				<b>561701</b> 555956		551137		<b>561702</b> 550890						552533
CD137 Ligand (4-1BB ligand)	C65-485	Hu							559446						559446										
CD138 (Syndecan-1)	DL-101	Hu							550805						550805										
	Mi15	Hu		562098			<b>561703</b> 347214 <sup>c</sup> 552723		<b>561704</b> 347215 <sup>c</sup> 552026				341107 <sup>c</sup>		<b>561704</b> 347215 <sup>c</sup> 552026				347216 <sup>c</sup>	562097					
CD140a (PDGF receptor α chain)	αR1	Hu							556002						556002										
CD140b (PDGFRβ)	28D4	Hu							558821						558821										
CD141 (Thrombomodulin)	1A4	Hu							559781						559781										
CD142	HTF-1	Hu							<b>561713</b> 550312						<b>561713</b> 550312										
CD144	55-7H1	Hu		561569			<b>560874</b> 560411		<b>561714</b> 560410				561566		<b>561714</b> 560410										561567
CD146	P1H12	Hu		562136			560846		<b>561013</b> 550315				562134	562135	<b>561013</b> 550315			562135							
CD147 (Neurothelin)	HIM6	Hu					555962																		
CD150	A12	Hu							559592						559592										
CD151 (PETA-3)	14A2.H1	Hu							556057						556057										
CD152 (CTLA-4)	BNI3	Hu							<b>560939</b> 555853		<b>561717</b> 555854				<b>560939</b> 555853		<b>561717</b> 555854		<b>560938</b> 555855						555852
CD154 (CD40L)	89-76	Hu							340477*						340477*										
	TRAP1	Hu					<b>561721</b> 555699		555700		<b>561722</b> 555701				555700		<b>561722</b> 555701		<b>560955</b> 555702						
CD158a	HP-3E4	Hu					340531* 556062		556063						556063										
CD158b	CH-L	Hu					559784		<b>561723</b> 559785						<b>561723</b> 559785										



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

<sup>c</sup> CE-IVD: CE marked in compliance with the European Directive 98/79/EC (Directive of the European Parliament and of the Council of 27 October 1998 on in vitro diagnostic medical devices)

\* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone** Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

# BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Violet Laser (405 nm)				Blue Laser (488 nm)							Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin	
			1		2		1		2		3			4		5		1		2		3		
			421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm		785 nm
Product Name	Clone	Reactivity	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD160	BY55	Hu						562351	562118						562118					562362				
CD161	DX12	Hu					340536*		340530*		551138				340530*		551138		561729					
CD162 (PSGL-1)	KPL-1	Hu							556055						556055									
CD163	GHI/61	Hu							560933						560933									
CD164	N6B6	Hu					551297		551298				561196		551298					561201				
CD166	3A6	Hu							560903				562131		560903									
CD172b (SIRPβ)	B4B6	Hu							552602						552602									
CD180 (RP105)	G28-8	Hu							551953						551953									
CD181 (CXCR1, IL-8RA, CD128a)	5A12	Hu					555939		555940		551081				555940		551081		551080					
CD182 (CXCR2, IL-8RB, CD128b)	6C6	Hu					551126		555933		551125				555933		551125		551127					
CD183 (CXCR3)	1C6/CXCR3	Hu						561730	560928		561731		560832	560831	560928		561731	560831	561732		561320			
CD184 (CXCR4, Fusin)	12G5	Hu	562448						561733		560937			560669	561733		560937	560669	560936					555973
	1D9	Hu							555974		555975				555974		555975		555976					
CD185	RF8B2	Hu					558112																	552118
CD191 (CCR1)	53504	Hu																		557914				
CD192 (CCR2)	48607	Hu																		561744				
CD193 (CCR3)	5E8	Hu							561746						561746					561745				
CD194 (CCR4)	1G1	Hu		561123					561110				560726	561034	561110			561034		557863				551266
CD195 (CCR5)	2D7/CCR5	Hu		562121			561747		560935		561750			561749	560935		561750	561749	561748			560913		
	3A9	Hu					555992		555993		556889			557752	555993		556889	557752	556903			557755		
CD196 (CCR6)	11A9	Hu†							560935				560635	560932					550856					
									561019				561752	560620	561019			560620	560619	561751				559561
								559562	559562				560467		559562				560466					



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

CE-IVD: CE marked in compliance with the European Directive 98/79/EC (Directive of the European Parliament and of the Council of 27 October 1998 on in vitro diagnostic medical devices)

\* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone** Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

# BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Violet Laser (405 nm)				Blue Laser (488 nm)								Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					
			1		2		1		2		3		4		5		1	2	3	4	1		2	
Product Name	Clone	Reactivity	421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	Biotin
		Emission Max	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD197 (CCR7)	150503	Hu		560864 560863			561271		560765				561144		560765					560816	561143			
	3D12	Hu					561675 560548		561008 552176				560922 557648		561008 552176			560922 557648		560921 557734				552174
CD199	112509	Hu					561608	561607							561607					557975				
CD200 (OX2)	MRC OX-104	Hu		562126					561762 552475				562124	562125	561762 552475			562125						
CD201 (EPCR)	RCR-252	Hu						557950							557950									
CD205 (DEC-205)	MG38	Hu						558069							558069									
	MMRI-7	Hu																		558156				
CD206 (Macrophage mannose receptor)	19.2	Hu					551135		555954		551136				555954		551136		561763 550889					
CD208 (DC-LAMP)	I10-1112	Hu							558126						558126					558168				
CD209 (DC-SIGN)	DCN46	Hu		561275			561764 551264		561765 551265				561766 558263		561765 551265					551545				
CD210 (IL-10 receptor)	3F9	Hu							556013						556013									
CD212 (IL-12 receptor β <sub>1</sub> subunit)	2.4E6	Hu							556065						556065					558708				
	2B6/12β2	Hu							550723						550723									
CD220 (Insulin receptor)	3B6/IR	Hu							559955						559955									
CD221 (IGF-I receptor α subunit)	1H7	Hu							560934 555999						560934 555999									
CD226 (DNAM-1)	DX11	Hu					559788		559789						559789									
CD227 (MUC1)	HMPV	Hu					559774																	
CD235a (Glycophorin A)	GA-R2 (HIR2)	Hu					561017 559943		561051 555570 340947*		561776 559944				561051 555570 340947*		561776 559944		561775 551336					
	15D3	Hu							340555*						340555*									
CD243 (P-glycoprotein)	17F9	Hu					557002		557003						557003									
	2-69	Hu					550815		550816						550816									
CD244 (2B4)	2-69	Hu					550815		550816						550816									
CD252 (OX40 Ligand)	Ik-1	Hu							558164						558164									
CD253 (TRAIL)	RIK-2	Hu							561784 550516						561784 550516									550431
CD267 (TACI)	1A1-K21-M22	Hu							558414						558414									



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

CE-IVD: CE marked in compliance with the European Directive 98/79/EC (Directive of the European Parliament and of the Council of 27 October 1998 on in vitro diagnostic medical devices)

\* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone** Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

# BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Violet Laser (405 nm)				Blue Laser (488 nm)								Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						
			1		2		1		2		3		4		5		1	2	3	4	1		2		3
			Emission Max	421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	Clone	Reactivity	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	Biotin	
CD268 (BAFF receptor)	11C1	Hu					558081		558097						558097										
CD271 (NGF receptor)	C40-1457	Hu		562123					560927 557196				560834	562122	560927 557196				562122		560877 560326				557195
CD272 (BTLA)	J168-540-90.22	Hu							558485						558485										
CD273 (B7-DC, PD-L2)	MIH18	Hu							558066						558066					557926					
CD274 (B7-H1, PD-L1)	MIH1	Hu					558065		561787 557924					558017	561787 557924				558017						
CD275 (B7-H2, ICOSL)	2D3/B7-H2	Hu							552502						552502										
CD278 (ICOS)	DX29	Hu							557802						557802										
CD279	EH12.1	Hu							560795					561273	561272	560795									
CD279 (PD-1)	MIH4	Hu					561035 557860		560908 557946						560908 557946					558694					
CD282 (TLR2)	11G7	Hu						558318																	
CD294 (CRTH2)	BM16	Hu		561661			561659								561660										
CD305 (LAIR-1)	DX26	Hu							550811						550811										
CD309 (VEGFR-2/KDR)	89106	Hu							560872 560494						560872 560494										
CD314 (NKG2D)	1D11	Hu							561815 557940				562364	562365	561815 557940				562365	562064 558071					
CD321 (F11 receptor)	M.AB.F11	Hu							552556						552556										
CD325	8C11	Hu						562119	561554						561554										
CD326 (EpCAM)	EBA-1	Hu					347197*		347198*						347198*										
CD328 (Siglec-7)	F023-420	Hu							558372						558372										
CD329 (Siglec-9)	E10-286	Hu					550906																		
CD335 (NKp46)	9E2/NKp46	Hu		562099					557991					562101	557991				562101	558051					
CD336 (NKp44)	P44-8.1	Hu							558563						558563										
CD337 (NKp30)	P30-15	Hu							558407						558407										
CD338 (ABCG2)	5D3	Hu							561180					561460	561180										
CD340 (HER-2/neu)	Neu 24.7	Hu					340553*		340552*						340552*										
Blood Group A	NaM87-1F6	Hu					550807																		
C3a Receptor	hC3aRZ8	Hu							561178						561178										



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

CE-IVD: CE marked in compliance with the European Directive 98/79/EC (Directive of the European Parliament and of the Council of 27 October 1998 on in vitro diagnostic medical devices)

\* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone**

Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

# BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Violet Laser (405 nm)				Blue Laser (488 nm)								Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						
			1		2		1		2		3		4		5		1	2	3	4	1	2	3		
Product Name	Clone	Reactivity	421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	Biotin	
		Emission Max	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
CLIP	CerCLIP	Hu					555981																		
Cutaneous Lymphocyte Antigen (CLA)	HECA-452	Hu†					561987 555947																	559950	
Disialoganglioside GD2	14.G2A	Hu							562100						562100					562096					
FMC7	FMC7	Hu		644493*			332786 <sup>c</sup>																		
fMLP receptor	5F1	Hu							556016						556016										
GARP	7B11	Hu							562150						562150					562341					
Hematopoietic progenitor cell (HPC)	BB9	Hu							557928						557928					557929					
HLA-A,B,C	G46-2.6	Hu		561346			560965 555552		560964 555553		560966 555554			561349	560964 555553		560966 555554	561349	562006 555555						
	DX17	Hu						560169	560168						560168										
HLA-A2	BB7.2	Hu		561344			561107 551285		558570				561350	561347	558570			561347	561341		561339		561342		
HLA-DM	MaP.DM1	Hu							555983						555983										
HLA-DQ	SK10	Hu					347453*																		
	TÜ169	Hu					555563																		
HLA-DR	TU36	Hu†					555560		555561		551375				555561		551375			559868					
	L243 (G46-6)	Hu		642276* 561359		561225 561224	560944 347400 <sup>c</sup> 555811		560943 347401 <sup>c</sup> 555812	562331 562304	562007 555813	347402 <sup>c</sup>	339216 <sup>c</sup> 560652	335830 <sup>c</sup> 560651	560943 347401 <sup>c</sup> 555812	562331 562304	562007 555813	335830 <sup>c</sup> 560651	560896 347403 <sup>c</sup> 559866		560743	335831 <sup>c</sup>	641393* 561358	347361*	
HLA-DR, DP, DQ	TÜ39	Hu					562008 555558																		
Ig, κ light chain	TB28-2	Hu					644059 <sup>c</sup>		347246 <sup>c</sup>						347246 <sup>c</sup>					341108 <sup>c</sup>					
	G20-193	Hu		561327			560950 555791		562052 555792				561330	561328	562052 555792			561328	561323		561319		561325	555790	
	Polyclonal	Hu					562023 348063*																		
Ig, λ light chain	1-155-2	Hu					347247 <sup>c</sup>		642925 <sup>c</sup>						642925 <sup>c</sup>										
	JDC-12	Hu		561379			562053 555796		562054 555797						555797										555794
	Polyclonal	Hu					332788 <sup>c</sup>																		
IgD	IA6-2	Hu		561309		561490	555778		562024 555779				561315	561314	562024 555779			561314	561303		561302		561305	555777	



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

<sup>c</sup> CE-IVD: CE marked in compliance with the European Directive 98/79/EC (Directive of the European Parliament and of the Council of 27 October 1998 on in vitro diagnostic medical devices)

\* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone** Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

# BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Violet Laser (405 nm)				Blue Laser (488 nm)							Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						
			1		2		1		2		3		4		5		1		2		3			
			Emission Max		421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm
Product Name	Clone	Reactivity	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	Biotin
IgG	<b>G18-145</b>	Hu		561299			<b>560952</b> 555786		<b>560951</b> 555787		551497			561298	<b>560951</b> 555787		551497	561298	<b>562025</b> 550931		561296		561297	555785
IgM	<b>G20-127</b>	Hu		561286			<b>562029</b> 555782		<b>562030</b> 555783		<b>562031</b> 551079		561285		<b>562030</b> 555783		<b>562031</b> 551079		<b>561010</b> 551062					555781
IL-21 receptor	<b>17A12</b>	Hu							560264						560264				560331					
ILT7 (CD85g)	<b>17G10.2</b>	Hu							562320						562320				562355					
Integrin β <sub>7</sub>	<b>FIB504</b>	Hu							555945		551059				555945		551059		551082					
Invariant NK T	<b>6B11</b>	Hu					558371		<b>562051</b> 552825						552825									
KIR-NKAT2	<b>DX27</b>	Hu					556070		556071						556071									
LAP	<b>TW4-2F8</b>	Hu							562260						562260									
Leukotriene B4 Receptor (hBLTR-1)	<b>203/14F11</b>	Hu							552836						552836									552835
Lineage Cocktail 1	–	Hu					340546																	
Lineage Cocktail 2	–	Hu					643397																	
Lineage Cocktail 3	–	Hu					643510																	
Lineage Antibody Cocktail with Isotype Control	–	Hu		561301									561317						558074					
MIC A/B	<b>6D4</b>	Hu							558352						558352									
β <sub>2</sub> -microglobulin	<b>TÜ99</b>	Hu					551338		551337						551337									
NKB1 (KIR)	<b>DX9</b>	Hu					340483* 555966		340484* 555967						340484* 555967									
PAC-1	<b>PAC-1</b>	Hu					340507*																	
Streptavidin	–	–		560797			554060		554061 349023*	<b>562318</b> 562284	554062	554064 340130*	551419	557598	554061 349023*	<b>562318</b> 562284	554062	557598	554067 349024*			554063		
SSEA-1 (CD15)	<b>MC480</b>	Hu <sup>†</sup>		561561			560127		<b>560886</b> 560142				561560		<b>560886</b> 560142								<b>562277</b> 560120	
SSEA-3	<b>MC631</b>	Hu <sup>†</sup>					<b>560881</b> 560236		<b>560879</b> 560237				561564		<b>560879</b> 560237								561145	
SSEA-4	<b>MC813-70</b>	Hu		561156			560126		560128				561565		560128								560796	



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

CE-IVD: CE marked in compliance with the European Directive 98/79/EC (Directive of the European Parliament and of the Council of 27 October 1998 on in vitro diagnostic medical devices)

\* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone**

Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

# BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Violet Laser (405 nm)				Blue Laser (488 nm)								Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						
			1		2		1		2		3		4		5		1	2	3	4	1	2	3		
Product Name	Clone	Reactivity	Emission Max 421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	Biotin	
			Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
TCR αβ	WT31	Hu					333140 <sup>c</sup>																		
	T10B9.1A-31	Hu					561673 555547		561674 555548						561674 555548										
TCR γδ	11F2	Hu					347903*		333141 <sup>c</sup>						333141 <sup>c</sup>										
	B1	Hu					561995 559878		561994 555717						561994 555717				561049 555718						555716
TNFR Related Protein (Lymphotoxin β receptor; LTβR)	hTNFR-RP-M12	Hu							551503						551503										
TRA-1-60 Antigen	TRA-1-60	Hu		561153			560876 560380		560884 560193				561573		560884 560193						560850				
TRA-1-81 Antigen	TRA-1-81	Hu					560883 560194		560885 560161				561575		560885 560161						560793				
TWEAK	CARL-1	Hu							552831						552831										
	CARL-2	Hu							552890						552890										
Vβ8 (BV8)	JR2	Hu					555606		555607						555607										
Vγ9 TCR	B3	Hu					555732		555733						555733										
Vδ2 TCR	B6	Hu					562088 555738		555739						555739										



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

<sup>c</sup> CE-IVD: CE marked in compliance with the European Directive 98/79/EC (Directive of the European Parliament and of the Council of 27 October 1998 on in vitro diagnostic medical devices)

\* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone** Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

# BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Intracellular Cytokines and Chemokines			Violet Laser (405 nm)				Blue Laser (488 nm)							Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)							
			1		2		1		2		3		4		5		1	2	3	4	1		2		3
			Emission Max	421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	Clone	Reactivity	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	Biotin	
CCL18/DC-CK1	AZN-CK18	Hu							561179						561179										
GM-CSF	BVD2-21C11	Hu							554507		562258				554507					562257				554505	
IFN-α2b	7N4-1	Hu		561382					560097						560097					560088					
IFN-γ	25723.11	Hu					340449*		340452*						340452*					341117*					
	4S.B3	Hu†					<b>561057</b> 554551		<b>561056</b> 554552 559326				<b>561036</b> 557844	<b>561056</b> 554552 559326			<b>561036</b> 557844							554550	
	B27	Hu		<b>560372</b> 560371		561980	<b>561065</b> 554700	557718	<b>562016</b> 554701 559327	562392			560704	<b>560924</b> 557643	<b>562016</b> 554701 559327	562392		<b>560924</b> 557643	562017 554702	557729	<b>561024</b> 557995				
IL-1α	364-3B3-14	Hu							554561						554561										
	AS5	Hu					340513*		340514*						340514*										
IL-1β	AS10	Hu					340515*		340516*						340516*										
IL-1ra	AS17	Hu							340525*						340525*										
IL-2	5344.111	Hu		560867			340448*		340450*						340450*					341116*					
	MQ1-17H12	Hu†					<b>561055</b> 554565		<b>560902</b> 554566 559334			560708	560707	<b>560902</b> 554566 559334			560707			<b>561054</b> 554567					
IL-3	BVD3-1F9	Hu							554676						554676									554674	
IL-4	3010.211	Hu							340451*						340451*										
	MP4-25D2	Hu					<b>562047</b> 554484		554485						554485					554486				554483	
	8D4-8	Hu†		561595				557990	<b>562046</b> 554516 559333				561234	560672	<b>562046</b> 554516 559333			560672	560671						
IL-5	JES1-39D10	Hu							554489 559332						554489 559332										
	TRFK5	Hu†							<b>562049</b> 554395						<b>562049</b> 554395				<b>562048</b> 554396						
IL-6	AS12	Hu					340526*		340527*						340527*										
	MQ2-13A5	Hu		561446			554544		554545						554545					561441					
	MQ2-6A3	Hu					554696		554697 559331						554697 559331										
IL-8	AS14	Hu					340509*		340510*						340510*										
	G265-8	Hu							554720						554720									554718	



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

CE-IVD: CE marked in compliance with the European Directive 98/79/EC (Directive of the European Parliament and of the Council of 27 October 1998 on in vitro diagnostic medical devices)

\* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone** Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

# BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Intracellular Cytokines and Chemokines			Violet Laser (405 nm)				Blue Laser (488 nm)							Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)							
			1		2		1		2		3		4		5		1		2		3				
			421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm		
Product Name	Clone	Reactivity	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	Biotin	
IL-9	MH9A3	Hu							<b>560814</b> 560807				561461		<b>560814</b> 560807						<b>560815</b> 560813				
IL-10	JES3-19F1	Hu†							<b>562035</b> 554706 559330	562400					<b>562035</b> 554706 559330					<b>562036</b> 554707					
	JES3-9D7	Hu†							554498 559337						554498 559337										
IL-12 (p40/p70)	C11.5	Hu		561380			554574		554575 559329						554575 559329					554576					
IL-12 (p70)	20C2	Hu							557020 559325						557020 559325										
IL-13	JES10-5A2	Hu		561158					<b>562039</b> 340508* 554571 559328						<b>562039</b> 340508* 554571 559328					561162					
IL-16	14.1	Hu							554736						554736										
IL-17A	N49-653	Hu		560610				<b>560489</b> 560488	<b>560487</b> 560486				560799		<b>560487</b> 560486					<b>560491</b> 560490	560613				
	SCPL1362	Hu							<b>560438</b> 560436						<b>560438</b> 560436						<b>560439</b> 560437				
IL-17F	O33-782	Hu		<b>561338</b> 561337				<b>561332</b> 561331	<b>561198</b> 561197				<b>561336</b> 561335		<b>561198</b> 561197					<b>561334</b> 561333					
IL-21	3A3-N2.1	Hu							<b>562042</b> 560463						<b>562042</b> 560463						<b>562043</b> 560493				
IP-10	6D4/D6/G2	Hu							555049						555049										555048
IRAK4	L29-525	Hu							560303						560303						560315				
Leukemia Inhibitory Factor (LIF, HILDA)	1F10	Hu							558571						558571										
LT-α	359-81-11	Hu							554556						554556										554555
MCP-1 (monocyte chemoattractant protein 1)	5D3-F7	Hu							554666 559324						554666 559324										
MIP-1α (macrophage inflammatory protein-1α)	11A3	Hu							554730						554730										
MIP-1β	D21-1351	Hu		561282			560565		<b>561120</b> 550078				560688	560687	<b>561120</b> 550078			560687	560686		561278			561280	
RANTES	2D5	Hu							554732 559322						554732 559322										



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

CE-IVD: CE marked in compliance with the European Directive 98/79/EC (Directive of the European Parliament and of the Council of 27 October 1998 on in vitro diagnostic medical devices)

\* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone**

Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

# BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents



Intracellular Cytokines and Chemokines			Violet Laser (405 nm)				Blue Laser (488 nm)							Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin		
			1		2		1		2		3			4				5		1		2		3	
			Emission Max		421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm		719 nm	785 nm
Product Name	Clone	Reactivity	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
TGFβ1	TW4-9E7	Hu							562339						562339										
TNF	<b>MAb11</b>	Hu†		561311			<b>562082</b> 554512	557722	<b>562083</b> 554513 559321				560679	<b>560923</b> 557647	<b>562083</b> 554513 559321			<b>560923</b> 557647	<b>562084</b> 554514 551384		<b>561023</b> 557996			554511	
TNF-α	<b>6401.111</b>	Hu					340511*		340512*						340512*				340534*						



Visit [bdbiosciences.com/eu/colors](https://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

CE-IVD: CE marked in compliance with the European Directive 98/79/EC (Directive of the European Parliament and of the Council of 27 October 1998 on in vitro diagnostic medical devices)

\* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](https://bdbiosciences.com).

‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone**

Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

# BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Violet Laser (405 nm)				Blue Laser (488 nm)								Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						
			1		2		1		2		3		4		5		1	2	3	4	1	2	3		
			Emission Max		421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm
Product Name	Clone	Reactivity	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	Biotin	
<b>CD140b</b> (pY857) (PDGFRβ)	<b>J24-618</b>	<b>Hu<sup>†</sup></b>						558427	558429						558429						558428				
<b>CD140b</b> (pY1009) (PDGFRβ)	<b>J25-650</b>	<b>Hu<sup>†</sup></b>							558322						558322						558323				
<b>CD140b</b> (pY1021) (PDGFRβ)	<b>J105-412</b>	<b>Hu<sup>†</sup></b>						558419	558417						558417						558418				
<b>CD221</b> (pY1131) (IGF-1 receptor)	<b>K74-218</b>	<b>Hu</b>																			558588				
<b>CD247</b> (pY142) (CD3ζ)	<b>K25-407.69</b>	<b>Hu</b>						558486	558448						558448						558489				
<b>4EBP1</b> (pT36/pT45)	<b>M31-16</b>	<b>Hu</b>						560287	560285						560285						560286				
<b>4EBP1</b> (pT69)	<b>M34-273</b>	<b>Hu</b>						560290	560288						560288						560289				
<b>Akt</b> (pS473)	<b>M89-61</b>	<b>Hu</b>		560858				560404	560378 561671 <sup>‡</sup>						560378 561671 <sup>‡</sup>						560343 561670 <sup>‡</sup>				
<b>AKT</b> (pT308)	<b>J1-223.371</b>	<b>Hu<sup>†</sup></b>							558275						558275										
<b>Akt1</b> (PKBα, RAC-PK)	<b>55</b>	<b>Hu</b>						560048	560049						560049						560050				
<b>Bcl-2</b>	<b>6C8</b>	<b>Hu</b>						554234	556536						556536										
	<b>Bcl-2/100</b>	<b>Hu</b>		560637				340575* 556357	340576* 556535						340576* 556535										
<b>Bcl-6</b>	<b>K112-91</b>	<b>Hu<sup>†</sup></b>		562204				561524	561522	562401				562198	561522	562401					561525				
<b>Bcl-10</b>	<b>151</b>	<b>Hu</b>						552881	552881																
<b>BLNK</b> (pY84)	<b>J117-1278</b>	<b>Hu<sup>†</sup></b>						558444	558442						558442						558443				
<b>BLNK</b> (SLP-65, BASH, BCA)	<b>2B11</b>	<b>Hu<sup>†</sup></b>						558693	558688						558688						558692				
<b>BrdU</b>	<b>3D4</b>	<b>Hu</b>		560810				556028	556029			560808	560809		556029										
	<b>B44</b>	<b>Hu</b>						347583*																	
<b>BrdU with DNase</b>	<b>B44</b>	<b>Hu</b>						340649*																	
<b>Btk</b>	<b>53/Btk</b>	<b>Hu</b>							558527						558527						558528				
<b>Btk</b> (pY551) & <b>Itk</b> (pY511)	<b>24a/BTK</b> (Y551)	<b>Hu</b>						558130	558129						558129						558134				
<b>Caspase-3, Active Form</b> (CPP32)	<b>C92-605</b>	<b>Hu<sup>†</sup></b>		560627				<b>560901</b> 559341	<b>561011</b> 550821						<b>561011</b> 550821						560626			550557	
<b>β-Catenin</b> (pS45)	<b>K63-363</b>	<b>Hu</b>							558638						558638						558666				
<b>c-Cbl</b> (pY700)	<b>47/c-Cbl</b>	<b>Hu<sup>†</sup></b>						558101	558087						558087						558100				



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

CE-IVD: CE marked in compliance with the European Directive 98/79/EC (Directive of the European Parliament and of the Council of 27 October 1998 on in vitro diagnostic medical devices)

\* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone**

Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

# BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Violet Laser (405 nm)				Blue Laser (488 nm)								Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)							
			1		2		1		2		3		4		5		1	2	3	4	1		2		3	
			Emission Max	421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm		
Product Name	Clone	Reactivity	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	Biotin		
c-Cbl (pY774)	29/c-Cbl	Hu							558102						558102						558103					
CD3ε	APA1/1	Hu					558261		558260						558260				558257							
CD20 (cytoplasmic)	H1	Hu						558056	561174					<b>560907</b> 558021	561175	561174				561175			558054	561171		561172
CDX-2	M39-711	Hu																					560395	560258		
CREB (pS133) / ATF-1 (pS63)	J151-21	Hu						558435	558436						558436								558434			
CrkL (pY207)	K30-391-.50.80	Hu						560789	560788						560788								560790			
Cyclin A	BF683	Hu					554107		550913						550913											
Cyclin B1 (a.a 1-21)	GNS-1	Hu†					554108		550783						550783											
Cyclin D1	G124-326	Hu					554109																			
Cyclin D3	G107-565	Hu					554111																			
Cytokeratin	CAM 5.2	Hu					347653*		347204*						347204*											
Cytokeratin 14, 15, 16, and 19	KA4	Hu							550953						550953											
DCIR (dendritic cell immunoreceptor)	I3-612	Hu																					558220			
Doublecortin	30	Hu							561505						561505											
E2A (E47)	G127-32	Hu					552510																			
EGF Receptor	EGFR1	Hu							555997						555997											
EGF Receptor (pY845)	12A3	Hu																					558523			
EGF Receptor (pY1173)	9H2	Hu																					558524			
eIF4E (pS209)	J77-925	Hu							560229						560229								560240			
ELK-1 (pS383)	M21-1721	Hu						560417	560412						560412								560413			
eNOS	33/eNOS	Hu†							560103						560103								560102			
ERK1/2 (pT202/pY204)	20A	Hu†			560314			612592	612566					560115	560116	612566				560116			612593			561992†
ERK2	G263-7	Hu†						558525	558530						558530								558526			
Ezrin (pY353)	I66-386	Hu						558627	558601						558601								558628			
FAK (pS910)	K73-480	Hu						558544	558540						558540								558545			
Fetal Hemoglobin	2D12	Hu					552829		560041						560041											



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

CE-IVD: CE marked in compliance with the European Directive 98/79/EC (Directive of the European Parliament and of the Council of 27 October 1998 on in vitro diagnostic medical devices)

\* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone** Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

# BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Violet Laser (405 nm)				Blue Laser (488 nm)								Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						
			1		2		1		2		3		4		5		1	2	3	4	1		2		3
			Emission Max	421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	Clone	Reactivity	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	Biotin	
FoxA2	N17-280	Hu							561589						561589										
FoxP3 (Scurfin, IPEX, JM2)	236A/E7	Hu		561182				561181	560852				561493		560852						561184				
	259D/C7	Hu†		<b>560460</b> 560459				<b>560887</b> 560047	<b>560082</b> 560046						<b>560082</b> 560046						<b>560889</b> 560045				
Galectin-3	B2C10	Hu					556908		556909						556909										
GATA3	L50-823	Hu						560163	560074					560405	560074			560405			560068				
GATA4	L97-56	Hu†						560330	560328						560328						560400				
GFAP	1B4	Hu						561449	561483						561483						561470				
Granulysin	RB1	Hu						558254																	
Granzyme A	CB9	Hu					558905		558904						558904										
Granzyme B	GB11	Hu		561151			<b>561998</b> 560211		561142						561142						<b>561999</b> 560212	<b>561016</b> 560213			
H2AX (pS140)	N1-431	Hu						560445													560447				
Histone H3 (pS28)	HTA28	Hu†		560606																	558217				
IκBα	25/IκBa/ MAD-3	Hu							560818						560818						560817				
IRF-7	K40-321	Hu						558707	558706						558706										
IRF-7 (pS477/pS479)	K47-671	Hu						558629	558621						558621						558630				
IRS-1 (pY896)	K9-211	Hu							558440						558440						558441				
Ki-67	B56	Hu†		561281			556026	561165	556027				561284	561283	556027			561283			561126	561277			
LAT (pY171)	I58-1169	Hu						558519	558487						558487						558518				
LAT (pY226)	J96-1238- .58.93	Hu						558430	558433						558433						558432				
Lck	MOL 171	Hu†						558504	558496						558496						558505				
Lck (pY505)	4/Lck-Y505	Hu						557879	558552						558552						558577				
MAP2B	18/MAP2B	Hu						560399													560382				
Mcm6	Ki-Mcm6	Hu					557951																		
MEK1	25/MEK1	Hu†							560099						560099						560101				
MEK1 (pS298)	J114-64	Hu						560192	560042						560042						560043				
MEK2	96/MEK2	Hu							560388						560388						560387				
MRP-1	QCRL-3	Hu					557593																		
MS11	N14-47	Hu							561468						561468										



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

CE-IVD: CE marked in compliance with the European Directive 98/79/EC (Directive of the European Parliament and of the Council of 27 October 1998 on in vitro diagnostic medical devices)

\* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone**

Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

# BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Violet Laser (405 nm)				Blue Laser (488 nm)								Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin		
			1		2		1		2		3		4		5		1	2	3	4	1	2			3	
			Emission Max		421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm		785 nm	785 nm
Product Name	Clone	Reactivity	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7			
Myeloperoxidase (MPO)	5B8	Hu					333138 <sup>c</sup>		333139 <sup>c</sup>						333139 <sup>c</sup>											
Nanog	N31-355	Hu						560791	<b>560873</b> 560483				562259		<b>560873</b> 560483					561300						
Nestin	25/NESTIN	Hu <sup>†</sup>							561230				561231		561230					560393						
NF-κB p65 (pS529)	K10-895-.12.50	Hu						558421	558423				560335	558423			560335			558422						
NPM-ALK	ALK1	Hu					559818		559257						559257											
Oct3/4	40/Oct-3	Hu <sup>†</sup>						560253	560186				560794		560186					560329						
Oct3/4A	O50-808	Hu						561628	561556						561556											
p16 <sup>INK4</sup> mAb / Isotype Reagent Set	G175-1239	Hu					556560		556561						556561											
p38 MAPK (pT180/pY182)	36/p38 (pT180/pY182)	Hu <sup>†</sup>			560313			612594	612565 562065 <sup>‡</sup>				560406	560241	612565 562065 <sup>‡</sup>		560241			612595 562066 <sup>‡</sup>						
p53	DO-7	Hu <sup>†</sup>					554298		556534						556534											
	G59-12	Hu <sup>†</sup>					557026		557027						557027											
p53 (acK382)	L82-51	Hu																		560231						
p53 (pS37)	J159-641.79	Hu						560282												560280						
p120 Catenin (pS268)	9a.390	Hu						558558												558559						
p120 Catenin (pS288)	17/Catenin (cl.17)	Hu						558562	558567						558567					558561						
p120 Catenin (pS879)	K114-1011	Hu							558634						558634					558635						
p120 Catenin (pT310)	22/p120 (pT310)	Hu						558667	558596						558596					558668						
p120 Catenin (pT916)	1/Catenin	Hu						558669	558637						558637					558670						
p130 <sup>Cas</sup> (pY249)	J169-757-.12.2	Hu						558546	558538						558538					558547						
PARP, Cleaved Form (Asp 214)	F21-852	Hu <sup>†</sup>					558576		552933				562388		552933						560640					
Pax-6	O18-1330	Hu						561664	561552						561552											
PCNA	PC10	Hu					556030		556031						556031									555567		



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

<sup>c</sup> CE-IVD: CE marked in compliance with the European Directive 98/79/EC (Directive of the European Parliament and of the Council of 27 October 1998 on in vitro diagnostic medical devices)

\* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone** Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

# BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Violet Laser (405 nm)				Blue Laser (488 nm)								Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin	
			1		2		1		2		3		4		5		1	2	3	4	1	2	3		
			421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm		
Product Name	Clone	Reactivity	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
<b>PDPK1</b> (pS241) (PDK1, PKB kinase, pS241, pS241, PDK1 (pS241), PKB kinase (pS241))	<b>J66-653-.44.17</b>	<b>Hu</b>						560090	560092						560092						560091				
<b>PDX-1</b>	<b>658A5</b>	<b>Hu†</b>						562274	562161						562161						562265				
<b>Perforin</b>	<b>δG9</b>	<b>Hu</b>					556577		556437						556437										
<b>Phosphotyrosine</b>	<b>PY20</b>	<b>Hu†</b>							558008						558008										
<b>PKA RIIα</b> (pS99)	<b>I65-856.286</b>	<b>Hu</b>							560165						560165						560164				
<b>PKA[RIIβ]</b> (pS114)	<b>47</b>	<b>Hu</b>						560204													560205				
<b>PKCα</b>	<b>3/PKC</b>	<b>Hu</b>						560242													560243				
<b>PKCα</b> (pT497)	<b>K14-984</b>	<b>Hu†</b>						560139	560141						560141						560140				
<b>PKCα</b> (pT638)	<b>35/PKC</b>	<b>Hu</b>							560267						560267						560266				
<b>PKCθ</b>	<b>27</b>	<b>Hu</b>							560216						560216						560344				
<b>PLC-γ1</b>	<b>10/PLC-gamma</b>	<b>Hu</b>						558566	558575						558575						558565				
<b>PLC-γ1</b> (pY783)	<b>27/PLC</b>	<b>Hu</b>						557884													557883				
<b>PLC-γ2</b>	<b>K86-1161</b>	<b>Hu†</b>						560135	560134						560134						560136				
<b>PLC-γ2</b> (pY759)	<b>K86-689.37</b>	<b>Hu</b>						558507	558490						558490						558498				
<b>PLK1</b> (pT210)	<b>K50-483</b>	<b>Hu</b>						558446	558445						558445						558447				
<b>PTEN</b> (MMAC1, TEP1)	<b>A2B1</b>	<b>Hu</b>							560002						560002						560003				
<b>Pyk2</b> (pY402)	<b>L68-1256.272</b>	<b>Hu</b>							560255						560255						560256				
<b>Rb</b> (a.a. 332-344)	<b>G3-245</b>	<b>Hu†</b>					556538																		
<b>Rb</b> (pS780)	<b>J146-35</b>	<b>Hu</b>						558554	558548						558548						558555				
<b>Rb</b> (pS807/pS811)	<b>J112-906</b>	<b>Hu</b>						558589	558549						558549						558590				
<b>Rb, underphosphorylated</b> (a.a. 514-610)	<b>G99-549</b>	<b>Hu†</b>					550501		550502						550502										
<b>S6</b> (pS235/pS236)	<b>N7-548</b>	<b>Hu</b>		561457				560434	560433						560433						560435				
<b>S6</b> (pS240)	<b>N4-41</b>	<b>Hu</b>						560431	560430						560430						560432				
<b>S6</b> (pS244)	<b>N5-676</b>	<b>Hu</b>							560462						560462						560465				
<b>SATB1</b>	<b>14/SATB1</b>	<b>Hu</b>																			562378				
<b>SHP2</b> (pY542)	<b>L99-921</b>	<b>Hu</b>													560389						560390				
<b>SLP-76</b>	<b>H3</b>	<b>Hu</b>						560056	560058						560058						560057				



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

CE-IVD: CE marked in compliance with the European Directive 98/79/EC (Directive of the European Parliament and of the Council of 27 October 1998 on in vitro diagnostic medical devices)

\* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone**

Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

# BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Violet Laser (405 nm)				Blue Laser (488 nm)							Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin		
			1		2		1		2		3		4		5		1	2	3	4	1	2		3	
			Emission Max	421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm		785 nm	785 nm
Product Name	Clone	Reactivity	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
SLP-76 (pY128)	J141-668-.36.58	Hu						558439	558437						558437						558438				
Sox1	N23-844	Hu							561592				561549		561592										
Sox2	245610	Hu						560301 560292	560291						560291						560302				
	O30-678	Hu		561610					562195				561506		562195						562139				
Sox17	P7-969	Hu						562205	561591				562387		561591										
Src (pY418)	K98-37	Hu						560095	560094						560094						560096				
Stat1 (N-terminus)	1/Stat1	Hu							558537						558537						558560				
Stat1 (pS727)	K51-856	Hu						560191	560069						560069						560190				
Stat1 (pY701)	14/P-STAT1	Hu†			560310																				
	4a	Hu†						612596	612564 562069‡				560113		612564 562069‡						612597 562070‡				
Stat3	M59-50	Hu							560391						560391					560392					
Stat3 (pS727)	49/p-Stat3	Hu†						558085	558557						558557						558099				
Stat3 (pY705)	4/P-STAT3	Hu†			560312			557814	612569 562072‡				560114		612569 562072‡						557815 562071‡				
Stat4 (pY693)	38/p-Stat4	Hu						558136	558249 562073‡				561217		558249 562073‡						558137 562074‡				
Stat5 (pY694)	47	Hu			560311			612598 562075‡	612567 562077‡				560118	560117	612567 562077‡			560117			612599 562076‡				
Stat6	23/Stat6	Hu							560001						560001						560000				
Stat6 (pY641)	18	Hu		561203				612600	612701 562078‡				561195		612701 562078‡						612601 562079‡				
Syk	4D10	Hu					552476																		
Syk (pY348)	I120-722	Hu†						560081	558529						558529										
T-Bet	O4-46	Hu†		561312				561266	561268				561316		561268						561267				
	4B10	Hu†							561265						561265						561264				
TBK1 (pS172) (T2K, NAK)	J133-587	Hu						558602	558604						558604						558603				
TBK1 (T2K, NAK)	637Ig11.2	Hu						558697	558696						558696						558698				
Terminal Transferase (TdT)	E17-1519	Hu						332789 <sup>c</sup> 550756							332790 <sup>c</sup> 550757						332791 <sup>c</sup>				



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

<sup>c</sup> CE-IVD: CE marked in compliance with the European Directive 98/79/EC (Directive of the European Parliament and of the Council of 27 October 1998 on in vitro diagnostic medical devices)

\* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone**

Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

# BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents



Intracellular Cell-Signaling and Transcription Factors			Violet Laser (405 nm)				Blue Laser (488 nm)								Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin	
			1		2		1		2		3		4		5		1	2	3	4	1	2	3		
			Emission Max		421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm		785 nm
Product Name	Clone	Reactivity	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
TIE2 (pY992) (TEK, VMCM, CD202b)	<b>K91-860</b>	Hu																		560051					
TIE2 (pY1102) (TEK, VMCM, CD202b)	<b>K93-754</b>	Hu						560053	560052						560052					560054					
TLR9	<b>eB72-1665</b>	Hu							560425											560428					
β-Tubulin, Class III	<b>TUJ1</b>	Hu						560381													560394				
Vimentin	<b>RV202</b>	Hu						562338	562237						562237										
WIP (pS488)	<b>K32-824</b>	Hu							558673						558673						558674				
ZAP-70	<b>1E7.2</b>	Hu						344931*	344635*						344635*										
Zap70 (pY292)	<b>J34-602</b>	Hu						558516	558510						558510						558515				
Zap-70 (pY319)/Syk (pY352)	<b>17a/P-ZAP70</b>	Hu†						557818	557881				561459	561458	557881			561458			557817				



Visit [bdbiosciences.com/eu/colors](https://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

CE-IVD: CE marked in compliance with the European Directive 98/79/EC (Directive of the European Parliament and of the Council of 27 October 1998 on in vitro diagnostic medical devices)

\* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](https://bdbiosciences.com).




‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone**

Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

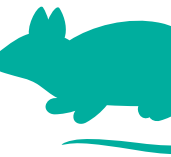
## Contents

	<b>Human</b> Antibody Reagents		<b>Mouse</b> Antibody Reagents		<b>Non-Human Primate</b> Antibody Reagents			
	Surface Markers	5 – 21		Surface Markers	33 – 44		Surface Markers	49 – 53
	Intracellular Cytokines and Chemokines	22 – 24		Intracellular Cytokines and Chemokines	45		Intracellular Cytokines and Chemokines	54
	Intracellular Cell-Signaling and Transcription Factors	25 – 31		Intracellular Cell-Signaling and Transcription Factors	46 – 47		Intracellular Cell-Signaling and Transcription Factors	55

# BD Multicolor Antibody Reagents Catalog

## Mouse Antibody Reagents

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers			Violet Laser (405 nm)				Blue Laser (488 nm)								Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin
			1		2		1		2		3		4		5		1	2	3	4	1		2	
Product Name	Clone	Reactivity	Emission Max 421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
			Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
Annexin V	–	–		560506		561501	<b>560931</b> 566420 556419		<b>560930</b> 556422 556421				561431		<b>560930</b> 556422 556421			<b>561012</b> 550475 550474						556418 556417
CD1d (CD1.1, Ly-38)	<b>1B1</b>	Ms					553845 561756		553846						553846									553844
CD2 (LFA-2)	<b>RM2-5</b>	Ms					553111 561758		553112						553112									553110
CD3 molecular complex	<b>17A2</b>	Ms		561389			555274 561798		<b>561799</b> 555275		555276		560527	560591	<b>561799</b> 555275		555276	560591		557869	561388	560590		
CD3e (CD3 ε chain)	<b>145-2C11</b>	Ms					<b>561827</b> 553061 553062	557666	<b>561824</b> 553063 553064	<b>562332</b> 562286	<b>561825</b> 553065	<b>561089</b> 553067	<b>561108</b> 551163	<b>561100</b> 552774	<b>561824</b> 553063 553064	<b>562332</b> 562286	<b>561825</b> 553065	<b>561100</b> 552774	<b>561826</b> 553066			<b>561042</b> 557596		553059 553060
	<b>500A2</b>	Ms		<b>560804</b> 560801	558214	<b>560773</b> 560771			553240						553240						557984			553239
CD4 (L3T4)	<b>GK1.5</b>	Ms					<b>561828</b> 557307 553729		<b>561829</b> 557308 553730						<b>561829</b> 557308 553730							<b>561830</b> 552051	<b>560246</b> 560181	553728
	<b>H129.19</b>	Ms					<b>561831</b> 553650 553651		<b>561832</b> 553652 553653		553654				553652 553653		553654							553648 553649
	<b>RM4-4</b>	Ms					553055																	557443
	<b>RM4-5</b>	Ms		<b>560470</b> 560468	558107	<b>560783</b> 560782	<b>561835</b> 553046 553047	557667	<b>561837</b> 553048 553049	<b>562314</b> 562285	<b>561836</b> 553050	<b>561090</b> 553052	<b>561115</b> 550954	<b>561099</b> 552775	<b>561837</b> 553048 553049	<b>562314</b> 562285	<b>561836</b> 553050	<b>561099</b> 552775	<b>561091</b> 553051	557681	<b>561025</b> 557956			553044 553045
CD5 (Ly-1)	<b>53-7.3</b>	Ms		561244		553020 553021		553022 553023		553024	553025			553022 553023		553024			<b>561895</b> 550035					553018 553019
CD5.1 (Ly-1.1)	<b>H11-86.1</b>	Ms				557487																		
CD6	<b>J90-462</b>	Ms				558500		558499							558499									
CD8a (Ly-2)	<b>53-6.7</b>	Ms		<b>560471</b> 560469	558106	<b>560778</b> 560776	<b>561966</b> 553030 553031	557668	<b>561095</b> 553032 553033	<b>562315</b> 562283	<b>561094</b> 553034	<b>561092</b> 553036	<b>561109</b> 551162	<b>561097</b> 552877	<b>561095</b> 553032 553033	<b>562315</b> 562283	<b>561094</b> 553034	<b>561097</b> 552877	<b>561093</b> 553035	557682	557959	<b>561967</b> 557654	<b>560247</b> 560182	553028 553029
CD8b (Ly-3)	<b>H35-17.2</b>	Ms						550798							550798									
CD8b.2 (Ly-3.2)	<b>53-5.8</b>	Ms				553040 561968		553041							553041									553039



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

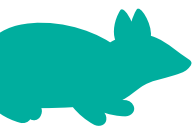
\* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone** Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.



# BD Multicolor Antibody Reagents Catalog **Mouse** Antibody Reagents

Surface Markers			Violet Laser (405 nm)				Blue Laser (488 nm)							Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin		
			1		2		1		2		3			4		5		1		2		3			
Product Name	Clone	Reactivity	421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm		
		Emission Max	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
CD11a (Integrin $\alpha_L$ chain, LFA-1 $\alpha$ )	2D7	Ms					553120 561683		553121					558191	553121			558191						557365	
	M17/4	Ms					553340																	557455	
CD11b (Integrin $\alpha_M$ chain)	M1/70	Ms		560456 560455		562128 562127	561688 557396 553310	557672	561689 557397 553311	562317 562287			561114 550993	561098 552850	561689 557397 553311	562317 562287		561098 552850	561690 553312	557686	557960	561039 557657		557395 553309	
CD11c (Integrin $\alpha_X$ chain)	HL3	Ms		560521			561045 557400 553801		561044 557401 553802				560584 558079	561022 557401 553802	561044 557401 553802			561022 558079	561119 550261		560583	561241		553800	
CD13	R3-242	Ms					558744		558745						558745										
CD14	rmC5-3	Ms		560639			553739 561710		561711 553740					560638	561711 553740				560634			560636			
CD16/CD32 (Fc $\gamma$ III/II receptor)	2.4G2	Ms		560539			553144 561728		553145 561727					560540	560829	553145 561727		560829	558636			560541		553143	
CD18 (Integrin $\beta^2$ chain, CR3/CR4)	C71/16	Ms					553292		553293							553293								557439	
CD19	1D3	Ms		560376 560375			561740 557398 553785		561736 557399 553786	562329 562291			561113 551001	561739 552854	561736 557399 553786	562329 562291		561739 552854	561738 550992	557684	557958	561737 557655	560245 560143	553784	
CD21/CD35 (CR2/CR1)	7G6	Ms					553818 561769		552957							552957			561770 558658						
CD22 (PY822)	12a/CD22	Ms						560075	560076							560076									
CD22.2 (Lyb-8.2)	Cy34.1	Ms					557474		553384							553384								553382	
CD23 (Fc $\epsilon$ R2)	B3B4	Ms					553138 561772		561773 553139							561773 553139								553137	
CD24 (Heat stable antigen)	M1/69	Ms					553261 561777		561079 553262					562360	560536	561079 553262		560536							553260
CD25 (IL-2 receptor $\alpha$ chain, p55)	3C7	Ms					558689		553075							553075			558643						
	7D4	Ms					561779 553071 553072		558642							558642								553069 553070	
	PC61	Ms		561257					561065 553866					561112 551071	561780 552880	561065 553866		561780 552880	561048 557192			561038 557658			
CD26 (THAM, DPP IV)	H194-112	Ms				559652																			
CD27	LG.3A10	Ms <sup>†</sup>		561245					561785 558754							561785 558754			560691					558753	



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

\* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

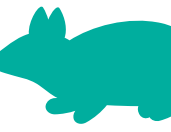
‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25  $\mu$ g).

**Clone**

Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

# BD Multicolor Antibody Reagents Catalog Mouse Antibody Reagents



Surface Markers			Violet Laser (405 nm)				Blue Laser (488 nm)							Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						
			1		2		1		2		3			4		5		1		2		3		
Emission Max			421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	Clone	Reactivity	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	Biotin
CD28	<b>37.51</b>	Ms							<b>561789</b> 553297						553297									553296
CD29 (Integrin β <sub>1</sub> chain)	Ha2/5	Ms <sup>†</sup>		562155			555005		562154						562154					562153				555004
CD30	mCD30.1	Ms							553825						553825									553824
CD31 (PECAM-1)	390	Ms					558738						561410				561410							558737
	<b>MEC 13.3</b>	Ms					<b>561813</b> 553372		<b>561073</b> 553373						<b>561073</b> 553373				<b>561814</b> 551262					553371
CD34 (Mucosalin)	RAM34	Ms					560238 553733		551387						551387					560233 560230	560518			
CD38	90	Ms					558813		553764						553764									553762
CD40	<b>3/23</b>	Ms					553790 561845		<b>561846</b> 553791						<b>561846</b> 553791					558695				553789
	HM40-3	Ms <sup>†</sup>					553723																	
CD41 (Integrin α <sub>IIb</sub> chain)	MWReg30	Ms					553848 561849		<b>561850</b> 558040						<b>561850</b> 558040									
CD43 (Ly-48, leukosialin)	<b>S7</b>	Ms					<b>561856</b> 553270		<b>561857</b> 553271						<b>561857</b> 553271				560663					553269
CD44 (Pgp-1, H-CAM, Ly-24)	<b>IM7</b>	Ms		<b>560452</b> 560451		<b>560781</b> 560780	553133 561859		<b>561860</b> 553134		<b>561861</b> 553135		560570 560569	560569	<b>561860</b> 553134		<b>561861</b> 553135	560569	<b>561862</b> 559250		560567	560568		553132
CD45 (Leucocyte common antigen, Ly-5)	<b>30-F11</b>	Ms		560501		561487	<b>561088</b> 553079 553080		<b>561087</b> 553081		<b>561870</b> 553082	<b>561047</b> 557235	<b>561869</b> 550994	<b>561868</b> 552848	<b>561087</b> 553081		<b>561870</b> 553082	<b>561868</b> 552848	<b>561018</b> 559864		560510	<b>561037</b> 557659		553077 553078
CD45.1 (Ly-5.1)	<b>A20</b>	Ms		560520			553775 561871		<b>561872</b> 553776				560580 560578	560578	<b>561872</b> 553776			560578	<b>561873</b> 558701		561235	560579		553774
CD45.2 (Ly-5.2)	<b>104</b>	Ms		560697		<b>562130</b> 562129	553772 561874		560695				<b>561096</b> 552950	560696	560695			560696	<b>561875</b> 558702		560693	560694		553771
CD45R/B220	<b>RA3-6B2</b>	Ms <sup>†</sup>		<b>560473</b> 560472	558108	<b>561227</b> 561226	<b>561877</b> 553087 553088	557669	<b>561878</b> 553089 553090	<b>562313</b> 562290	<b>561879</b> 553091	<b>561086</b> 553093	<b>561101</b> 552771	<b>561881</b> 552772	<b>561878</b> 553089 553090	<b>562313</b> 562290	<b>561879</b> 553091	<b>561881</b> 552772	<b>561880</b> 553092	557683	557957	<b>561102</b> 552094		553085 553086
CD45RA	<b>14.8</b>	Ms							553380						553380									557460
CD45RB	<b>16A</b>	Ms					553099 553100		553101						553101									553097 553098
CD45RC	<b>DNL-1.9</b>	Ms							557357						557357									
CD47 (IAP)	<b>miap301</b>	Ms					555298 561890																	



Visit [bdbiosciences.com/eu/colors](https://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

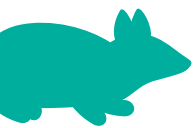
\* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](https://bdbiosciences.com).

‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone** Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.



# BD Multicolor Antibody Reagents Catalog **Mouse** Antibody Reagents

Surface Markers			Violet Laser (405 nm)				Blue Laser (488 nm)							Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						
			1		2		1		2		3			4		5		1		2		3		
Product Name	Clone	Reactivity	421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	Biotin
		Emission Max	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD48 (BCM1)	HM48-1	Ms					557484		557485					560731	557485			560731				561242		
CD49b (Integrin α <sub>2</sub> chain)	HMα2	Ms							558759						558759				558295					
	Ha1/29	Ms†					554999																	
CD49b/Pan-NK Cells	DX5	Ms		561638			<b>561067</b> 553857		<b>561066</b> 553858						<b>561066</b> 553858				560628					553856
CD49d (Integrin α <sub>4</sub> chain)	9C10 (MRF4.B)	Ms							557420						557420									557419
	R1-2	Ms					553156		553157						553157									557406
CD49e (Integrin α <sub>5</sub> chain)	5H10-27	Ms							557447						557447									557446
CD49f (Integrin α <sub>6</sub> chain)	GoH3	Ms†					<b>561893</b> 555735		<b>561894</b> 555736		551129				<b>561894</b> 555736		551129							
CD51 (Integrin α <sub>v</sub> chain)	RMV-7	Ms							551187						551187									551380
CD54 (ICAM-1)	3E2	Ms					553252 561898		553253						553253				561605					553251
CD55 (DAF)	RIKO-5	Ms							558037						558037									
CD61 (Integrin β <sub>3</sub> chain)	2C9.G2	Ms†					553346 561911		<b>561910</b> 553347						<b>561910</b> 553347									553345
CD62E (E-selectin, ELAM-1)	10E9.6	Ms							553751						553751									553750
CD62L (L-selectin, LECAM-1, Ly-22)	MEL-14	Ms		560507			553150 561917		<b>561918</b> 553151					560513	560516	<b>561918</b> 553151		560516	<b>561919</b> 553152		560517	560514		553149
CD62P (P-selectin)	RB40.34	Ms					553744 561923																	553743
CD64 a and b Alloantigens	X54-5/7.1	Ms							558455						558455						558539			
CD69 (Very early activation antigen)	H1.2F3	Ms		560690			<b>561919</b> 557392 553236		<b>561932</b> 553237					<b>561931</b> 551113	<b>561930</b> 552879	<b>561932</b> 553237		<b>561930</b> 552879	560689		561238	561240		553235
CD70	FR70	Ms							555286						555286									555285
CD71 (Transferrin receptor)	C2	Ms					553266 561936		<b>561937</b> 553267						<b>561937</b> 553267									557416
CD72 a, b, and d Alloantigens (Lyb-2.1, Lyb-2.2, Lyb-2.4)	K10.6	Ms					550966																	



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

\* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

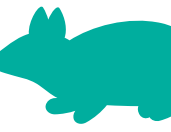
‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone**

Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

# BD Multicolor Antibody Reagents Catalog **Mouse** Antibody Reagents



Surface Markers			Violet Laser (405 nm)				Blue Laser (488 nm)							Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						
			1		2		1		2		3			4		5		1		2		3		
Emission Max			421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
Product Name	Clone	Reactivity	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	Biotin
<b>CD72 b and c Alloantigens</b> (Lyb-2.2 and Lyb-2.3)	JY/93	Ms							550269						550269									
<b>CD73</b> (Ecto-5-nucleotidase)	TY/23	Ms		561544				561545	550741						550741					561543				
<b>CD74</b> (li)	In-1	Ms					555318 561941																	
<b>CD79b</b> (Igβ)	HM79b	Ms					555303 561944																	
<b>CD80</b> (B7-1)	16-10A1	Ms†		560523			553768 561954		561955 553769			560526		561955 553769					560016					553767
<b>CD81</b> (TAPA-1)	Eat2	Ms†							559519						559519									559518
<b>CD83</b>	Michel-19	Ms							558205						558205					558206				
<b>CD86</b> (B7-2)	GL1	Ms		560450 560449			561962 553691		561963 553692				560582	561963 553692			560582		561964 558703		560581			553690
<b>CD90.1</b> (Thy-1.1)	OX-7	Ms†		561406			554897 561973		551401 554898			557266	561404	551401 554898			561404		561409			561401		554896
	HIS51	Ms†					554894																	554893
<b>CD90.2</b> (Thy-1.2)	30-H12	Ms					553012 553013		553014						553014									553011
	53-2.1	Ms		561643		561616	553003 553004		553005 553006				561642	553005 553006			561642		561974 553007			561641		553001 553002
<b>CD95</b> (Fas/APO-1)	Jo2	Ms					554257 561979		561985 554258				557653	561985 554258			557653							554256
<b>CD102</b> (ICAM-2)	3C4 (mIC2/4)	Ms					557444																	557441
<b>CD103</b> (Integrin α <sub>IEL</sub> chain)	M290	Ms					557494		561043 557495					561043 557495										557493
	M293	Ms					557497		557498					557498										
<b>CD106</b> (VCAM-1)	429 (MVCAM.A)	Ms		561615			553332 561678		561613					561613						561612				553331
<b>CD107a</b> (LAMP-1)	1D4B	Ms		560648			561069 553793		558661				560647	558661			560647		560646					
<b>CD107b</b> (LAMP-2)	ABL-93	Ms					558758																	



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

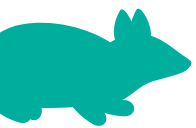
\* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone** Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.



# BD Multicolor Antibody Reagents Catalog Mouse Antibody Reagents

Surface Markers			Violet Laser (405 nm)				Blue Laser (488 nm)								Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)							
			1		2		1		2		3		4		5		1	2	3	4	1		2		3	
Product Name	Clone	Reactivity	421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	Biotin		
		Emission Max	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7			
CD117 (c-Kit)	<b>2B8</b>	Ms		560558			553354 561680		<b>561075</b> 553355					560557	558163	<b>561075</b> 553355			558163	<b>561074</b> 553356				<b>560250</b> 560185	553353	
	<b>ACK45</b>	Ms														553869										
CD120b (TNF receptor, Type II/p75)	<b>TR75-89</b>	Ms														550086									550476	
CD121a (IL-1 receptor, type I/p80)	<b>35F5</b>	Ms														557489										
CD121b (IL-1 receptor, type II/p60)	<b>4E2</b>	Ms														554450										
CD122 (IL-2 and IL-15 receptor β chain)	<b>5H4</b>	Ms					554452																			
	<b>TM-b1</b>	Ms					553361 561693			553362						553362									559884	
CD124 (IL-4 receptor α chain)	<b>mIL4R-M1</b>	Ms														552509									552508	
CD125 (IL-5 receptor α chain)	<b>T21</b>	Ms						558533	558488							558488										
CD126 (IL-6 receptor α chain)	<b>D7715A7</b>	Ms							554462							554462										
CD127 (IL-7 receptor α chain)	<b>SB/199</b>	Ms		561205				561533	552543						560733	552543			560733							
CD131 (β <sub>IL-3R</sub> , β <sub>c</sub> )	<b>JOR050</b>	Ms														559920										
CD132 (Common γ chain, γ <sub>c</sub> )	<b>4G3</b>	Ms														554457										
	<b>TUGm2</b>	Ms														554471									554470	
CD135 (Flk-2/Flt3, Ly-72)	<b>A2F10.1</b>	Ms														<b>561068</b> 553842								560718		
CD137 (4-1BB, Ly-63)	<b>1AH2</b>	Ms					558975		558976							558976									558974	
CD138 (Syndecan-1)	<b>281-2</b>	Ms														<b>561070</b> 553714								<b>561705</b> 558626	553713	
CD146	<b>ME-9F1</b>	Ms		562232				562229	562196					562231		562196									562230	
CD152 (CTLA-4)	<b>UC10-4F10-11</b>	Ms							<b>561718</b> 553720							<b>561718</b> 553720										
CD153 (CD30 ligand)	<b>RM153</b>	Ms							559232							559232										
CD154 (CD40 ligand, gp39)	<b>MR1</b>	Ms							<b>561719</b> 553658							<b>561719</b> 553658									553657	
CD157 (BP-3 alloantigen)	<b>BP-3</b>	Ms							552814							552814										



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

\* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

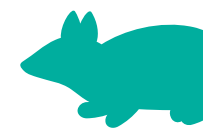
‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone**

Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

# BD Multicolor Antibody Reagents Catalog Mouse Antibody Reagents



Surface Markers			Violet Laser (405 nm)				Blue Laser (488 nm)							Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)							
			1		2		1		2		3			4		5		1		2		3			
Emission Max			421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm		
Product Name	Clone	Reactivity	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	Biotin	
CD160	CNX46-3	Ms							562216				562218		562216					562217					
CD162 (PSGL-1)	2PH1	Ms							555306						555306										
CD172a (SIRPα, SHPS-1, BIT)	P84	Ms					560316		560107						560107				560106						
CD178 (Fas ligand, CD95 ligand)	MFL3	Ms							555293						555293										555292
CD178.1 (mFasL.1, CD95 ligand)	Kay-10	Ms							553854						553854										553853
CD183	CXCR-173	Ms							562152						562152				562266						
CD184 (CXCR4, fusin)	2B11/CXCR4	Ms		560875			<b>561735</b> 551967		551966						551966				558644						551968
CD185 (CXCR5)	2G8	Ms					<b>561989</b> 560577						560528	560617				560617	560615						551960
CD193 (CCR3)	83103	Ms																		557974					
CD195 (CCR5)	C34-3448	Ms							559923						559923										559922
CD196 (CCR6)	140706	Ms																		<b>561753</b> 557976					
CD197 (CCR7)	4B12	Ms		560805					560682				560812		560682					560766					
CD210 (IL-10 receptor)	1B1.3a	Ms							559914						559914										
CD212 (IL-12 receptor β chain)	114	Ms							551974						551974										551973
CD223 (LAG3)	C9B7W	Ms							552380						552380				562346						
CD229.1 (Ly-9.1)	30C7	Ms					553117		560201						560201				560188						557363
CD244.2 (2B4 B6 alloantigen)	2B4	Ms					553305 561778		553306						553306										557452
CD267 (TACI)	8F10	Ms							558410						558410					558453					
CD273 (B7-DC, PD-L2)	TY25	Ms							557796						557796				560086						
CD274 (B7-H1, PD-L1)	MIH5	Ms							558091						558091										
CD278 (ICOS)	7E.17G9	Ms							552146						552146										552145
CD279 (PD-1)	J43	Ms							<b>561788</b> 551892						<b>561788</b> 551892										
CD284/MD-2 Complex (TLR4/MD-2 complex)	MTS510	Ms							558294						558294										
CD314 (NKG2D)	CX5	Ms							558403						558403										



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

\* RUO (GMP) status reagents

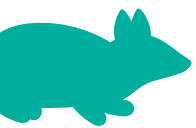
† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone**

Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.



# BD Multicolor Antibody Reagents Catalog **Mouse** Antibody Reagents

Surface Markers			Violet Laser (405 nm)				Blue Laser (488 nm)							Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)								
			1		2		1		2		3			4		5		1		2		3				
Product Name	Clone	Reactivity	421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	Biotin		
		Emission Max	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7			
CD335 (NKp46)	29A1.4	Ms		560764 560763			560756		560757				560800		560757					560755	561169					
B7-H3 (CD276)	MIH32	Ms							562357						562357											
B7-H4	MIH29	Ms							562239						562239											
Dendritic Cells	33D1	Ms							557578						557578										552776	
DO-11.10 Clonotypic TCR	KJ1-26	Ms							551772						551772											
Early B Lineage	AA4.1	Ms					559156 561990		558039						558039											
FR4	12A5	Ms							560320						560320					560318						
	TH6	Ms							560324						560324					560319						
GITR	DTA-1	Ms					558139		558119				558140	558119			558140									
H-2D <sup>b</sup>	KH95	Ms					553573 562000		553574						553574										553572	
H-2D <sup>d</sup>	34-2-12	Ms					553579 562001		553580						553580										553578	
	34-5-8S	Ms							558917						558917											
H-2D <sup>k</sup>	15-5-5	Ms					553585																			
H-2K <sup>b</sup>	AF6-88.5	Ms					553569 562002		<b>561072</b> 553570						<b>561072</b> 553570										553568	
H-2K <sup>b</sup> /H-2D <sup>b</sup>	28-8-6	Ms																							553576	
H-2K <sup>d</sup>	SF1-1.1	Ms					553565 562003		<b>562004</b> 553566						<b>562004</b> 553566										553564	
H-2K <sup>k</sup>	36-7-5	Ms					553592 562005		553593						553593										553591	
	AF3-12.1	Ms					553554																			
H-2K <sup>a</sup>	KH114	Ms					553597																			
H-2K <sup>s</sup>	KH49	Ms					558841																			
I-A/I-E	2G9	Ms					553623 562009		<b>562010</b> 558593						<b>562010</b> 558593										553622	
	M5/114.15.2	Ms							557000						557000											
I-A <sup>b</sup>	AF6-120.1	Ms					553551 562011		<b>562012</b> 553552						<b>562012</b> 553552										553550	
I-A <sup>b</sup> (A <sub>β</sub> <sup>b</sup> )	25-9-17	Ms					553605																		553604	



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

\* RUO (GMP) status reagents

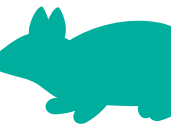
† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone**

Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.



Surface Markers			Violet Laser (405 nm)				Blue Laser (488 nm)								Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						
			1		2		1		2		3		4		5		1		2		3				
Product Name	Clone	Reactivity	421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	Biotin	
		Emission Max	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
I-A <sup>d</sup>	39-10-8	Ms					553610																	553609	
	AMS-32.1	Ms					553547 562013		553548						553548										553546
I-A <sup>k</sup> (A <sub>α</sub> <sup>k</sup> )	11-5.2	Ms					553536		553537						553537										558794
I-A <sup>k</sup> (A <sub>β</sub> <sup>k</sup> )	10-3.6	Ms					553540 562014																		553539
I-A <sup>p</sup>	7-16.17	Ms					558921																		
I-E <sup>k</sup>	17-3-3	Ms					558846																		558845
	14-4-4S	Ms†					553543 562015		553544						553544										558735
Ig (affinity-purified)	Polyclonal	Ms					349031*																		
Ig, κ light chain	187.1	Ms		561354			550003		561021 559940				560668	560667	562021 559940			560667			561351	561353			559750
	X36	Ms							349073*						349073*										
IgA	C10-3	Ms					559354																		
IgD	11-26c.2a	Ms		560869			553439 562022		558597						558597				560868						
IgD <sup>a</sup> (Igh-5a, Igh-5.4)	AMS 9.1	Ms					553507																		553506
IgD <sup>b</sup> (Igh-5b)	217-170	Ms					553510		553511						553511										553509
IgE	R35-72	Ms					553415																		553414
IgG & IgM (human adsorbed)	Polyclonal	Ms					555988																		
IgG <sub>1</sub>	A85-1	Ms		562107			562026 553443		562027 550083						562027 550083				560089						553441
	X56	Ms							340270*			340272*			340270*				550874						
IgG <sub>2a</sub>	R19-15	Ms					553390 562028																		553388 550332
IgG <sub>2a/2b</sub>	R2-40	Ms					553399																		553398
IgG <sub>2a+b</sub>	X57	Ms							340269*			340271*			340269*										
IgG <sub>2a</sub> <sup>a</sup> (Igh-1a)	8.3	Ms																							553502
IgG <sub>2b</sub>	R12-3	Ms					553395																		553393 550333
							553403																		553401



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

\* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone**

Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

# BD Multicolor Antibody Reagents Catalog **Mouse** Antibody Reagents

Surface Markers			Violet Laser (405 nm)				Blue Laser (488 nm)							Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin	
			1		2		1		2		3			4		5		1		2		3		
Product Name	Clone	Reactivity	421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
		Emission Max	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
IgM	II/41	Ms					553437												562032 550676					553436
	R6-60.2	Ms		560575			<b>562033</b> 553408		553409				<b>562034</b> 550881	552867	<b>562033</b> 553409			552867						553406
IgM <sup>a</sup> (Igh-6a)	DS-1	Ms					553516		553517						553517									553515
IgM <sup>b</sup> (Igh-6b)	AF6-78	Ms					553520		553521						553521									553519
IL-21 Receptor	4A9	Ms							558607						558607									
KLRG1	2F1	Ms		561625				561619	561621						561621				561620					550863
Lineage Cocktail	–	Ms		561301									561317											
LPAM-1 (Integrin α <sub>4</sub> β <sub>7</sub> complex)	DATK32	Ms							553811						553811				562376					
Ly-6A/E (Sca-1)	D7	Ms		560653		<b>561229</b> 561228	<b>562058</b> 557405		<b>562059</b> 553108					<b>561021</b> 558162	<b>562059</b> 553108			<b>561021</b> 558162				560654		557404
	E13-161.7	Ms					<b>561077</b> 553335		<b>561076</b> 553336						<b>561076</b> 553336									553334
Ly-6C	AL-21	Ms		560594			<b>561085</b> 553104		560592				560525	560593	560592			560593	560595		561237	560596		557359
Ly-6d	49-H4	Ms					561148		561149						561149					561147				
Ly-6G	1A8	Ms		560603			<b>561105</b> 551460		<b>561104</b> 551461				560602	560601	<b>561104</b> 551461			560601	560599		561236	560600		
Ly-6G and Ly-6C (Gr-1)	RB6-8C5	Ms		<b>560454</b> 560453			<b>562060</b> 553126 553127		<b>561084</b> 553128				<b>561103</b> 552093	552985	<b>561084</b> 553128			552985	<b>561083</b> 553129		557979	557661		553124 553125
Ly-49A <sup>B6</sup>	A1	Ms		561204			553677		557424						557424									557423
Ly-49C and Ly-49I	5E6	Ms					553276 562055		553277						553277									557418
Ly-49D	4E5	Ms					555313 562056																	
Ly-49F	HBF-719	Ms							550987						550987									550986
Ly-49G2 (LGL-1)	4D11	Ms					555315							560730				560730	555316					
Ly-49G2 <sup>B6</sup>	Cwy-3	Ms					550580																	
Ly-49H	3D10	Ms							562206						562206					562207				
Ly-49I	YLI-90	Ms							550595						550595									



Visit [bdbiosciences.com/eu/colors](https://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

\* RUO (GMP) status reagents

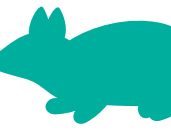
† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](https://bdbiosciences.com).

‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone** Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

# BD Multicolor Antibody Reagents Catalog **Mouse** Antibody Reagents



Surface Markers			Violet Laser (405 nm)				Blue Laser (488 nm)							Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)							
			1		2		1		2		3		4		5		1	2	3	4	1	2		3	
Product Name	Clone	Reactivity	421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	Biotin	
		Emission Max	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
Ly-51 (6C3/BP-1 antigen)	6C3	Ms					553160 562057																	553159	
	BP-1	Ms							553735						553735										
Ly-108	13G3	Ms							561540						561540					561547					
Mac-3	M3/84	Ms					553323 562061		553324						553324										
MD-1 (Ly-86)	MD14	Ms																		558204					
NK-1.1 (NKR-P1B and NKR-P1C)	PK136	Ms		560524			561082 553164		561046 557391 553165				561111 551114	562062 552878	561046 557391 553165			562062 552878	561117 550627		560515	560618		553163	
NKG2A/C/E	20d5	Ms					550520 562063																		550519
NK-T/NK Cell Antigen (ICAM-1)	U5A2-13	Ms							550082						550082										
PIR-A/B	6C1	Ms							550349						550349										
RAE-1	CX1	Ms							558078						558078										
RANKL/TRANCE	IL22-5	Ms							560295						560295					560296					
Siglec-F	E50-2440	Ms							562068 552126						552126										
SSEA-1	MC480	Ms		561561			560127		560886 560142						560886 560142					562277 560120					
SSEA-3	MC631	Ms†					560881 560236		560879 560237				561564		560879 560237										
Streptavidin				560797			554060		554061 349023*	562318 562284	554062	554064 340130*	551419	557598	554061 349023*	562318 562284	554062	557598	554067 349024*			554063			
Syndecan-4	KY/8.2	Ms							550352						550352										550351
T- and B-Cell Activation Antigen (GL7, Ly-77)	GL7	Ms					553666 562080		561530						561530					561529					
TCR β chain	H57-597	Ms		560706			562081 553170 553171		561081 553172		553173		560657	560729	561081 553172		553173	560729	561080 553174		560705	560656			553168 553169
TCR γδ	GL3	Ms					553177 561996		561997 553178						561997 553178										553176
TER-119/Erythroid cells (Ly-76)	TER-119	Ms		560504			561032 557915		561071 553673				560512	557853	561071 553673			557853	561033 557909		560508	560509			553672



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

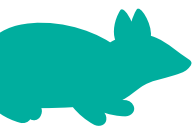
\* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone** Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.



# BD Multicolor Antibody Reagents Catalog **Mouse** Antibody Reagents

Surface Markers			Violet Laser (405 nm)				Blue Laser (488 nm)							Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)							
			1		2		1		2		3	4		5		1	2	3	4	1		2		3	
Product Name	Clone	Reactivity	421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	Biotin	
		Emission Max	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
Vα2 TCR	<b>B20.1</b>	Ms		560625			<b>562085</b> 553288		<b>561078</b> 553289					560529	560624	<b>561078</b> 553289			560624	560622		561239	560623		553287
Vα3.2 <sup>b,c</sup> TCR	RR3-16	Ms					553219																		553218
Vα8.3 TCR	<b>B21.14</b>	Ms					553376		553377							553377									
	KT50	Ms																							557096
Vβ2 TCR	B20.6	Ms					553280		553281							553281									553279
Vβ3 TCR	<b>KJ25</b>	Ms					553208		553209							553209									553207
Vβ5.1, 5.2 TCR	<b>MR9-4</b>	Ms					553189 562087		<b>562086</b> 553190							<b>562086</b> 553190									553188
Vβ6 TCR	RR4-7	Ms					553193		553194							553194									553192
Vβ7 TCR	TR310	Ms					553215		553216							553216									
Vβ8 TCR	F23.1	Ms					553861		553862							553862									553860
Vβ8.1, 8.2 TCR	MR5-2	Ms					553185		553186							553186									553184
Vβ8.3 TCR	1B3.3	Ms					553663		553664							553664									
Vβ9 TCR	MR10-2	Ms					553201																		
Vβ10 <sup>b</sup> TCR	B21.5	Ms					553284		553285							553285									
Vβ11 TCR	RR3-15	Ms					553197		553198							553198									553196
Vβ11.1, 11.2 <sup>b,d</sup> TCR	RR8-1	Ms					553222		553223							553223									553221
Vβ12 TCR	MR11-1	Ms					553300																		553299
Vβ13 TCR	MR12-3	Ms		561539			553204		561541							561541				561542					
Vβ14 TCR	14-2	Ms					553258																		553257
Vβ17 <sup>a</sup> TCR	KJ23	Ms					553212																		
Vδ4 TCR	GL2	Ms					552143																		
Vδ6.3/2 TCR	8F4H7B7	Ms							555321							555321									
Vγ2 TCR	UC3-10A6	Ms					553226																		
Vγ3 TCR	536	Ms					553229																		



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

\* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

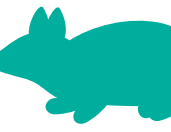
‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone**

Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

# BD Multicolor Antibody Reagents Catalog **Mouse** Antibody Reagents



Intracellular Cytokines and Chemokines			Violet Laser (405 nm)				Blue Laser (488 nm)							Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin				
			1		2		1		2		3			4		5		1		2		3					
			421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm		785 nm			
Product Name	Clone	Reactivity	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7				
GM-CSF	MP1-22E9	Ms							554406						554406												
IFN-γ	XMG1.2	Ms		560661			<b>562019</b> 554411	557724	562020 554412	<b>562333</b> 562303				560660 557649	<b>561040</b> 557649	<b>562020</b> 554412	<b>562333</b> 562303		<b>561040</b> 557649	<b>562018</b> 554413	557735	557998	561479		554410		
IL-1-α	ALF-161	Ms							559810						559810												
IL-2	JES6-5H4	Ms		560546			<b>562040</b> 554427	557725	<b>561061</b> 554428					560544 560538	<b>561061</b> 554428				560538	<b>562041</b> 554429		561287	560547		554426		
IL-3	MP2-8F8	Ms							554383						554383												
IL-4	11B11	Ms		560701				557728	<b>562044</b> 554435					560700 560699	<b>562044</b> 554435				560699	<b>562045</b> 554436	557739						
	BVD4-1D11	Ms							554389						554389												
IL-5	TRFK5	Ms†							<b>562049</b> 554395						<b>562049</b> 554395					<b>562048</b> 554396							
IL-6	MP5-20F3	Ms		561376				561363	<b>562050</b> 554401						<b>562050</b> 554401					561367							
IL-9	D9302C12	Ms							561463						561463						561464						
IL-10	JES5-16E3	Ms		561429			<b>562037</b> 554466		<b>561060</b> 554467						<b>561060</b> 554467					<b>561059</b> 554468						554465	
IL-12 (p40/p70)	C15.6	Ms		561456			560564		<b>562038</b> 554479						<b>562038</b> 554479					554480							
IL-17A	TC11-18H10	Ms		560522				560221 560220	<b>561020</b> 559502					<b>561020</b> 560666	<b>561020</b> 559502						560224 560184	560820	560821				
IL-17F	O79-289	Ms						<b>561658</b> 561631	<b>561656</b> 561627					562194	<b>561656</b> 561627						<b>561657</b> 561630						
MCP-1	2H5	Ms†							554443						554443												
TNF	MP6-XT22	Ms		560655			<b>561064</b> 554418	557719	<b>561063</b> 554419					560659 557644	<b>561041</b> 557644	<b>561063</b> 554419				<b>561041</b> 557644	<b>561062</b> 554420	557730	558000	560658			
	TN3-19.12	Ms†							559503						559503												



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

\* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone** Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

# BD Multicolor Antibody Reagents Catalog **Mouse** Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Violet Laser (405 nm)				Blue Laser (488 nm)								Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin	
			1		2		1		2		3		4		5		1	2	3	4	1	2	3		
			421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm		
Product Name	Clone	Reactivity	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
CD140b (pY771) (PDGF receptor β)	J23-1044	Ms						558424	558426						558426						558425				
CD140b (pY857) (PDGF receptor β)	J24-618	Ms†						558427	558429						558429						558428				
CD140b (pY1009) (PDGF receptor β)	J25-650	Ms†							558322						558322						558323				
CD140b (pY1021) (PDGF receptor β)	J105-412	Ms†						558419	558417						558417						558418				
AKT (pT308)	J1-223.371	Ms†							558275						558275										
Bcl-2	3F11	Ms					554221		556537						556537										
Bcl-6	K112-91	Ms†		562204				561524	561522				562198		561522						561525				
BLNK (pY84)	J117-1278	Ms†						558444	558442						558442						558443				
BLNK (SLP-65, BASH, BCA)	2B11	Ms†						558693	558688						558688						558692				
BrdU	3D4			560810			556028		556029			560808	560809		556029										
Caspase-3, Active Form (CPP32)	C92-605	Ms†		560627			<b>560901</b> 559341		550821						550821						560626			550557	
	Polyclonal	Ms†							557091						557091									557038	
c-Cbl (pY700)	47/c-Cbl	Ms†						558101	558087						558087						558100				
Cyclin B1 (a.a 1-21)	GNS-1	Ms†					554108		550783						550783										
eNOS	33/eNOS	Ms†							560103						560103						560102				
ERK1/2 (pT202/pY204)	20A	Ms†			560314			612592	612566 561991†				560115	560116	612566 561991†			560116			612593				
ERK2	G263-7	Ms†						558525	558530						558530						558526				
Flk-1 (VEGF-R2, Ly-73)	Avas 12α1	Ms		561256			560680		<b>561052</b> 555308				560681	561259	<b>561052</b> 555308			561259	<b>561993</b> 560070			561252			
Foxp3	MF23	Ms		561293				560407 560403	560414 560408						560414 560408						560402 560401				
GATA4	L97-56	Ms†						560330	560328						560328						560400				
Histone H3 (pS28)	HTA28	Ms†		560606																	558217				
Ki-67	B56	Ms†		561281			556026		556027				561284	561283	556027			561283			561126	561277			
Lck	MOL 171	Ms†						558504	558496						558496						558505				
MEK1	25/MEK1	Ms†							560099						560099						560101				
Nanog	M55-312	Ms						560278	560277						560277						560279				



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

\* RUO (GMP) status reagents

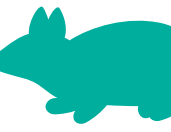
† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone**

Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.



Intracellular Cell-Signaling and Transcription Factors			Violet Laser (405 nm)				Blue Laser (488 nm)								Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin	
			1		2		1		2		3		4		5		1	2	3	4	1	2	3		
			Emission Max		421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm		785 nm
Product Name	Clone	Reactivity	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
<b>Notch1</b>	<b>mN1A</b>	<b>Ms<sup>†</sup></b>							552768						552768										
<b>Oct3/4</b>	<b>40/Oct-3</b>	<b>Ms<sup>†</sup></b>						560253	560186						560186					560329					
<b>p38 MAPK</b> (pT180/pY182)	<b>36/p38</b> (pT180/pY182)	<b>Ms<sup>†</sup></b>			560313			612594	612565 562065 <sup>‡</sup>					560406	560241	612565 562065 <sup>‡</sup>		560241		612595 562066 <sup>‡</sup>					
<b>p53</b>	<b>G59-12</b>	<b>Ms<sup>†</sup></b>					557026		557027						557027										
<b>PARP, Cleaved Form</b> (Asp 214)	<b>F21-852</b>	<b>Ms<sup>†</sup></b>					558576		552933						552933					558710	560640				
<b>PDX-1</b>	<b>658A5</b>	<b>Ms<sup>†</sup></b>						562274	562161						562161					562265					
<b>Phosphotyrosine</b>	<b>PY20</b>	<b>Ms<sup>†</sup></b>							558008						558008										
<b>PKCα(pT497)</b>	<b>K14-984</b>	<b>Ms<sup>†</sup></b>						560139	560141						560141					560140					
<b>PLC-γ2</b>	<b>K86-1161</b>	<b>Ms<sup>†</sup></b>						560135	560134						560134					560136					
<b>Rb</b> (a.a. 332-344)	<b>G3-245</b>	<b>Ms<sup>†</sup></b>					556538																		
<b>Rb, underphosphorylated</b> (a.a. 514-610)	<b>G99-549</b>	<b>Ms<sup>†</sup></b>					550501		550502						550502										
<b>S6</b> (pS244)	<b>N5-676</b>	<b>Ms<sup>†</sup></b>							560462						560462					560465					
<b>Sox2</b>	<b>245610</b>	<b>Ms<sup>†</sup></b>						560301 560292	560291						560291					560302					
	<b>O38-678</b>	<b>Ms<sup>†</sup></b>											561506												
<b>Stat1</b> (pY701)	<b>14/P-STAT1</b>	<b>Ms<sup>†</sup></b>			560310																				
	<b>4a</b>	<b>Ms<sup>†</sup></b>						612596	612564 562069 <sup>‡</sup>					560113	612564 562069 <sup>‡</sup>					612597 562070 <sup>‡</sup>					
<b>Stat3</b> (pY705)	<b>4/P-STAT3</b>	<b>Ms<sup>†</sup></b>			560312			557814	612569 562072 <sup>‡</sup>					560114	612569 562072 <sup>‡</sup>					557815 562071 <sup>‡</sup>					
<b>Stat4</b> (pY693)	<b>38/p-Stat4</b>	<b>Ms<sup>†</sup></b>						558136	558249 562073 <sup>‡</sup>					561217	558249 562073 <sup>‡</sup>					558137 562074 <sup>‡</sup>					
<b>Stat5</b> (pY694)	<b>47</b>	<b>Ms<sup>†</sup></b>			560311			612598	612567 562077 <sup>‡</sup>					560118	560117	612567 562077 <sup>‡</sup>		560117		612599 562076 <sup>‡</sup>					
<b>Stat6</b> (pY641)	<b>J71-773-.58.11</b>	<b>Ms</b>						558243	558252						558252					558242					
<b>Syk</b> (pY348)	<b>I120-722</b>	<b>Ms<sup>†</sup></b>						560081	558529						558529										
<b>T-Bet</b>	<b>O4-46</b>	<b>Ms<sup>†</sup></b>		561312				561266	561268						561316	561268				561267					
	<b>4B10</b>	<b>Ms<sup>†</sup></b>							561265						561265					561264					
<b>Zap-70</b> (pY319)/Syk (pY352)	<b>17a/ P-ZAP70</b>	<b>Ms<sup>†</sup></b>						557818	557881					561459	561458	557881		561458		557817					



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

\* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).



‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone**

Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

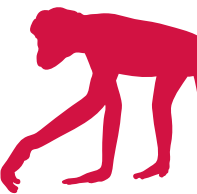
## Contents

	<b>Human</b> Antibody Reagents		<b>Mouse</b> Antibody Reagents		<b>Non-Human Primate</b> Antibody Reagents			
	Surface Markers	5 – 21		Surface Markers	33 – 44		Surface Markers	49 – 53
	Intracellular Cytokines and Chemokines	22 – 24		Intracellular Cytokines and Chemokines	45		Intracellular Cytokines and Chemokines	54
	Intracellular Cell-Signaling and Transcription Factors	25 – 31		Intracellular Cell-Signaling and Transcription Factors	46 – 47		Intracellular Cell-Signaling and Transcription Factors	55

# BD Multicolor Antibody Reagents Catalog

## Non-Human Primate Antibody Reagents

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers			Violet Laser (405 nm)				Blue Laser (488 nm)								Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin
			1		2		1		2		3		4		5		1	2	3	4	1	2		
Product Name	Clone	Reactivity	Emission Max																					
			421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	
			Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
Annexin V	–	–		560506		561501	<b>560931</b> 566420 556419		<b>560930</b> 556422 556421				561431		<b>560930</b> 556422 556421				<b>561012</b> 550475 550474					556418 556417
CD2	<b>RPA-2.10</b>	NHP					556608		<b>561760†</b> 555327	<b>562319†</b> 562300†	555328		560643		<b>561760†</b> 555327	<b>561319†</b> 562300†	555328		560642					555325
CD3	<b>SP34</b>	NHP					556611		556612						556612									
	<b>SP34-2</b>	NHP		560352 560351	558124	<b>560772</b> 560770		557705	552127			552851	552852	557749	552127			557749	557597		<b>561805</b> 557917	557757		
CD4	<b>L200</b>	NHP		560811		561488	550628		550630			550631	552838	560644	550630			560644	551980		560836		560837	
	<b>M-T477</b>	NHP					556615		556616						556616									
CD6	<b>M-T605</b>	NHP					555357		555358						555358									
CD7	<b>M-T701</b>	NHP		642916*			<b>561933†</b> 332773 <sup>c</sup> 555360		<b>561934†</b> 332774 <sup>c</sup> 555361		555362				<b>561934†</b> 332774 <sup>c</sup> 555361		555362							
CD8	<b>RPA-T8</b>	NHP	<b>562429†</b> 562428†	561426	558207	<b>560775</b> 560774	557085	557704	557086	<b>562311†</b> 562282			560662	557750	557086	<b>562311†</b> 562282†	<b>561951†</b> 555368	557750	561421	557708	561453	557760		555365
	<b>SK1</b>	NHP				561618																		
CD9	<b>M-L13</b>	NHP		561326			341646* 555371		341647* 555372				341649* 561329		341647* 555372				341648*					
CD10	<b>HI10a</b>	NHP					340925*		557143					341112 <sup>c</sup>	557143		<b>561676†</b> 555376	341112 <sup>c</sup>	332777 <sup>c</sup>					
CD11a (LFA-1)	<b>HI111</b>	NHP					555383		550851					561387	550851			561387	550852					
CD11b/Mac-1 (CR3)	<b>ICRF44</b>	NHP		<b>560481</b> 560480	558123			<b>561687†</b> 557701	557321		<b>561686†</b> 555389		<b>561685†</b> 557743	557321		<b>561686†</b> 555389	<b>561685†</b> 557743	<b>561015</b> 550019		557918	<b>560914</b> 557754		555387	
CD11c (ITGAX, CD11C integrin α <sub>x</sub> chain)	<b>S-HCL-3</b>	NHP							333149 <sup>c</sup>						333149 <sup>c</sup>				333144 <sup>c</sup>					
CD14	<b>M5E2</b>	NHP		561390	558121	<b>561392</b> 561391	557153	<b>561706†</b> 557700	557154				<b>561116</b> 550787	561385	557154			561385	561383		<b>561029</b> 557923		561384	
CD16	<b>3G8</b>	NHP		561246	558122	<b>561393</b> 561394	556618		556619	<b>562320†</b> 562293†	<b>561725†</b> 555408		560717	560716	556619	<b>562320†</b> 562293†	<b>561725†</b> 555408†	560716	561248	<b>561724†</b> 557710	557920	<b>561726†</b> 557758	560715	554405

Many of our anti-human antibodies cross-react with NHP. Please check the clone-specific information on [bdbiosciences.com](http://bdbiosciences.com) for specific cross-reactivity information.



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

\* RUO (GMP) status reagents

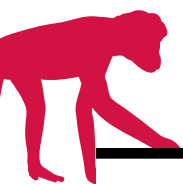
† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

Clone

Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.



## BD Multicolor Antibody Reagents Catalog Non-Human Primate Antibody Reagents

Surface Markers			Violet Laser (405 nm)				Blue Laser (488 nm)							Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin	
			1		2		1		2		3			4		5		1		2		3		
			Emission Max		421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm		719 nm
Product Name	Clone	Reactivity	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD18 (Integrin β2 chain, CR3/CR4)	<b>6.7</b>	NHP					557156		555924		557528				555924		557528		551060					
CD20	<b>2H7</b>	NHP					556632		556633	<b>562322†</b> 562295†	<b>561761†</b> 555624		560736	560735	556633	<b>562322†</b> 562295†	<b>561761†</b> 555624	560735	<b>560900</b> 559776		560631		560853	
CD21 (CR2)	<b>B-ly4</b>	NHP		561395			561372		<b>561768</b> 555422		551064			561374	<b>561768†</b> 555422		551064	561374	561357					
CD25 (IL-2 receptor α chain)	<b>M-A251</b>	NHP	<b>562443†</b> 562442†	<b>560356</b> 560355			555431		557138	562403†	555433		560503	561405	557138	562403†	555433	561405	561399		561398	<b>561782†</b> 557753	561402	
CD27	<b>M-T271</b>	NHP		561408		<b>561223</b> 561222	557329		557330	<b>562324†</b> 562297†			560612	560609	557330	<b>562324†</b> 562297†		560609	561400		560611		<b>560223</b> 560222	
CD28	<b>CD28.2</b>	NHP		561397			556621		556622	<b>562323†</b> 562296†	<b>561791†</b> 555730		560685	560684	556622	<b>562323†</b> 562296†	<b>561791†</b> 555730	560684	560683				561368†	555727
CD29	<b>MAR4</b>	NHP							557332		559882				557332		559882		<b>561794†</b> 559883					
CD30 (Ki-1)	<b>BerH8</b>	NHP					555829		550041						550041									555828
CD31 (PECAM-1)	<b>WM59</b>	NHP					557508		<b>560983</b> 555446						<b>560983</b> 555446									
CD32 (FcγRII)	<b>FLI8.26</b>	NHP					555448		550586						550586				559769					
CD34	<b>563</b>	NHP							550619						550619				561209					
CD35 (CR1)	<b>E11</b>	NHP					555452		559872						559872									
CD39 (ENTPD1, NTPDase)	<b>TÜ66</b>	NHP							555464						555464				560239					
CD40	<b>5C3</b>	NHP					556624		558835		555590			561215	558835		555590	561215	<b>561848†</b> 555591		561208		561211	
CD41a	<b>HIP8</b>	NHP		561425			557296		557297		559768		333148 <sup>c</sup>	561424	557297		559768	561424	<b>561852†</b> 559777				561422	
CD41b	<b>HIP2</b>	NHP					555469																	
CD42a	<b>ALMA.16</b>	NHP					558818		558819						558819									
CD45	<b>TÜ116</b>	NHP							557059		557075	557513	552724		557059		557075							
CD45 (Pan leucocyte)	<b>DO58-1283</b>	NHP		561291		561489	557803		552833	562394		558411		561294	552833	562394		561294	561290		561288	558219		
CD45RA	<b>5H9</b>	NHP		561220			556626		556627		552888			561216	556627		552888	561216	561210				561212	
CD47 (IAP)	<b>B6H12</b>	NHP					556045		556046				561261		556046					561249				

Many of our anti-human antibodies cross-react with NHP. Please check the clone-specific information on [bdbiosciences.com](http://bdbiosciences.com) for specific cross-reactivity information.



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

\* RUO (GMP) status reagents

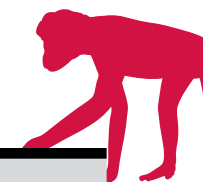
† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone** Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

# BD Multicolor Antibody Reagents Catalog **Non-Human Primate** Antibody Reagents



Surface Markers			Violet Laser (405 nm)				Blue Laser (488 nm)							Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						
			1		2		1		2		3			4		5		1		2		3		
Product Name	Clone	Reactivity	421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm	Biotin
		Emission Max	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD49b (Integrin α <sub>2</sub> chain)	12F1	NHP							555669						555669									
	AK-7	NHP					555498																	
CD49d (Integrin α <sub>4</sub> chain)	9F10	NHP					560840		556635		559880				556635		559880		<b>561892</b> <sup>†</sup> 559881					
CD49f (Integrin α <sub>6</sub> chain)	GoH3	NHP					<b>561893</b> <sup>†</sup> 555735		<b>561894</b> <sup>†</sup> 555736		551129				<b>561894</b> <sup>†</sup> 555736		551129							
CD56	MY31	NHP							556647						556647									
	B159	NHP		<b>560361</b> 560360				<b>561905</b> <sup>†</sup> 557699	<b>561903</b> <sup>†</sup> 555516	<b>562328</b> <sup>†</sup> 562289 <sup>†</sup>	<b>561904</b> <sup>†</sup> 555517		560842	<b>560916</b> 557747	<b>561903</b> <sup>†</sup> 555516	<b>562328</b> <sup>†</sup> 562289 <sup>†</sup>	<b>561904</b> <sup>†</sup> 555517	<b>560916</b> 557747	555518	557711	<b>561902</b> <sup>†</sup> 557919			555515
CD58 (LFA-3)	1C3	NHP					<b>561907</b> <sup>†</sup> 555920		555921		551399				555921		551399							
CD59	p282 (H19)	NHP					<b>560954</b> 555763		557141						557141									
CD61 (Integrin β <sub>3</sub> )	VI-PL2	NHP					557291		<b>561912</b> <sup>†</sup> 555754						<b>561912</b> <sup>†</sup> 555754									
CD62P (P-selectin)	AC1.2	NHP					550866		550561						550561									
CD63	H5C6	NHP					550759		557305						557305									
CD64	10.1	NHP		561202			555527		<b>561926</b> <sup>†</sup> 558592				561194	561191	<b>561926</b> <sup>†</sup> 558592			561191	561189		561188		561190	555526
CD69	FN50	NHP		560740			557049		557050		555532		560738	560712	557050		555532	560712	560711		560739	<b>560912</b> 557756	560737	
CD70	Ki-24	NHP					555834		<b>561935</b> <sup>†</sup> 555835						<b>561935</b> <sup>†</sup> 555835									
CD79a (Ig, mb-1)	HM47	NHP							<b>561942</b> <sup>†</sup> 333152 <sup>c</sup> 555935					333153 <sup>c</sup>	<b>561942</b> <sup>†</sup> 333152 <sup>c</sup> 555935				333154 <sup>c</sup> 551134					
CD80 (B7-1)	L307.4	NHP		<b>560444</b> 560442			<b>560926</b> 557226		<b>560295</b> 557227		559370			561135	<b>560295</b> 557227		559370	561135			561133		561134	557225
CD81 (TAPA-1)	JS-81	NHP					<b>561956</b> <sup>†</sup> 551108		<b>561957</b> <sup>†</sup> 555676						<b>561957</b> <sup>†</sup> 555676				<b>561958</b> <sup>†</sup> 551112					
CD83	HB15e	NHP					560553		550634		551058			561132	550634		551058	561132	<b>561960</b> <sup>†</sup> 551073					

Many of our anti-human antibodies cross-react with NHP. Please check the clone-specific information on [bdbiosciences.com](http://bdbiosciences.com) for specific cross-reactivity information.



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

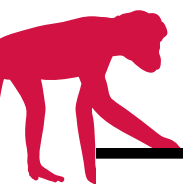
\* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone** Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.



## BD Multicolor Antibody Reagents Catalog Non-Human Primate Antibody Reagents

Surface Markers			Violet Laser (405 nm)				Blue Laser (488 nm)							Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin		
			1		2		1		2		3			4		5		1		2		3			
			Emission Max		421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm		719 nm	785 nm
Product Name	Clone	Reactivity	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
CD86 (B7-2)	<b>2331 (FUN-1)</b>	NHP	<b>562433†</b> 562432†	<b>560359</b> 560357			557343		557344	562390†	555659		561129	561128	557344	562390†	555569	561128	<b>560956</b> 555660		561124			555656	
CD89	<b>A59</b>	NHP							555686						555686										
CD90 (Thy-1)	<b>5E10</b>	NHP					<b>561969†</b> 555595		<b>561970†</b> 555596		<b>561972†</b> 555597		561557	561558	<b>561970†</b> 555596		<b>561972†</b> 555597	561558	<b>561971†</b> 559869					555594	
CD95 (Fas/APO-1)	<b>DX2</b>	NHP		561635			556640		556641	562395	<b>561977†</b> 559773		561636	561636	556641	562395	<b>561977†</b> 559773	561636	<b>561978†</b> 558814					555672	
CD98	<b>UM7F8</b>	NHP					556076		556077						556077										
CD122 (IL-2 receptor β chain)	<b>Mikβ2</b>	NHP							557323						557323										
CD123 (IL-3 receptor α chain)	<b>7G3</b>	NHP					<b>561694†</b> 558663		<b>561058</b> 554529	562391†			<b>560904</b> 558714	560826	<b>561058</b> 554529	562391†		560826	560087						554528
CD130 (gp130)	<b>AM64</b>	NHP							555757						555757										
CD132 (common γ chain)	<b>AG184</b>	NHP							<b>561699†</b> 555900						<b>561699†</b> 555900										
CD137 (4-1BB)	<b>4B4-1</b>	NHP							<b>561701†</b> 555956		551137				<b>561701†</b> 555956		551137		<b>561702†</b> 550890						
CD141 (Thrombomodulin)	<b>1A4</b>	NHP							559781						559781										
CD150	<b>A12</b>	NHP							559592						559592										
CD151 (PETA-3)	<b>14A2.H1</b>	NHP							556057						556057										
CD152 (CTLA-4)	<b>BNI3</b>	NHP							557301						557301					<b>560938</b> 555855					
CD154 (CD40 ligand)	<b>TRAP1</b>	NHP					558988		557299		<b>561722†</b> 555701				557299		<b>561722†</b> 555701		<b>560955</b> 555702						
CD162 (PSGL-1)	<b>KPL-1</b>	NHP							556055						556055										
CD166	<b>3A6</b>	NHP							<b>560903</b> 559263				562131		<b>560903</b> 559263										
CD183 (CXCR3)	<b>1C6/CXCR3</b>	NHP						<b>561730†</b> 558047	550633		<b>561731†</b> 551128		560832	560831	550633		<b>561731†</b> 551128	560831	561324		561320				
CD184 (CXCR4, fusin)	<b>12G5</b>	NHP	562448†						557145		<b>560937</b> 555975		560670	560669	557145		<b>560937</b> 555975	560669	<b>560936</b> 555976						
CD195 (CCR5)	<b>3A9</b>	NHP							550632				560635		550632				560748						

Many of our anti-human antibodies cross-react with NHP. Please check the clone-specific information on [bdbiosciences.com](http://bdbiosciences.com) for specific cross-reactivity information.



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

\* RUO (GMP) status reagents

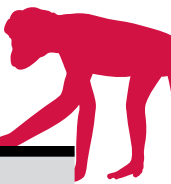
† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone** Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

# BD Multicolor Antibody Reagents Catalog **Non-Human Primate** Antibody Reagents



Surface Markers			Violet Laser (405 nm)				Blue Laser (488 nm)							Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)							
			1		2		1		2		3			4		5		1		2		3			
Emission Max			421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm	785 nm	785 nm		
Product Name	Clone	Reactivity	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	Biotin	
CD196 (CCR6)	11A9	NHP							551773					560621	560620	551773			560620	560619	<b>561751</b> <sup>†</sup> 560466				
HLA-A,B,C	<b>G46-2.6</b>	NHP		561346			557348		557349		555554			561349	557349		555554	561349	555555						
HLA-DQ	TÜ169	NHP					555563																		
	TÜ36	NHP					555560		555561		551375				555561		551375		559868						
HLA-DR	L243 (G46-6)	NHP		642276* 561359		<b>561225</b> 561224	<b>560944</b> 555811		<b>560943</b> 555812	<b>562331</b> <sup>†</sup> 562304 <sup>†</sup>	<b>562007</b> <sup>†</sup> 555813	347402 <sup>c</sup>	560652	560651	<b>560943</b> 555812	<b>562331</b> <sup>†</sup> 562304 <sup>†</sup>	<b>562007</b> <sup>†</sup> 555813	560651	560744		560743	335831 <sup>c</sup>	641393* 561358		
HLA-DR, DP, DQ	TÜ39	NHP		<b>562008</b> <sup>†</sup> 555558			550853																		
Streptavidin	–	–		560797		561419	554060		554061 349023*	<b>562318</b> <sup>†</sup> 562284 <sup>†</sup>	554062	554064 340130*	551419	557598	554061 349023*	<b>562318</b> <sup>†</sup> 562284 <sup>†</sup>	554062	557598	554067 349024*			554063			

Many of our anti-human antibodies cross-react with NHP. Please check the clone-specific information on [bdbiosciences.com](http://bdbiosciences.com) for specific cross-reactivity information.



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

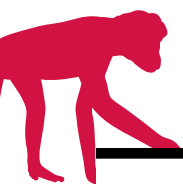
\* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone** Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.



## BD Multicolor Antibody Reagents Catalog Non-Human Primate Antibody Reagents

Intracellular Cytokines and Chemokines			Violet Laser (405 nm)				Blue Laser (488 nm)							Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin			
			1		2		1		2		3		4			5	1	2	3	4	1			2	3	
			Emission Max		421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm		719 nm	785 nm	785 nm
Product Name	Clone	Reactivity	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7			
IFN-γ	4S.B3	NHP					552882		557074				560742	560741	557074			560741	551385							
	B27	NHP		560372 560371			552887		562016 <sup>†</sup> 554701 559327	562392 <sup>†</sup>		560704		560924 557643	562016 <sup>†</sup> 554701 559327	562392 <sup>†</sup>		560924 557643	562017 <sup>†</sup> 554702	557729	561024 557995					
IL-2	MQ1-17H12	NHP					559361		560709				560708	560707	560709			560707	551383							
IL-4	8D4-8	NHP						557990	551774				561234	560672	551774			560672	561233							
IL-6	MQ2-6A3	NHP					554544		551473						551473											
MCP-1 (monocyte chemoattractant protein 1)	5D3-F7	NHP							557066						557066											
MIP-1α (macrophage inflammatory protein-1α)	11A3	NHP							554730						554730				551533							
TNF	MAB11	NHP		561311			562082 <sup>†</sup> 554512	557722	562083 <sup>†</sup> 554513 559321				560679	560923 557647	562083 <sup>†</sup> 554513 559321				560923 557647	551384		561023 557996				

Many of our anti-human antibodies cross-react with NHP. Please check the clone-specific information on [bdbiosciences.com](http://bdbiosciences.com) for specific cross-reactivity information.



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

\* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone** Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

# BD Multicolor Antibody Reagents Catalog **Non-Human Primate** Antibody Reagents



Intracellular Cell-Signaling and Transcription Factors			Violet Laser (405 nm)				Blue Laser (488 nm)							Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin	
			1		2		1		2		3			4		5		1		2		3		
			Emission Max	421 nm	448 nm	452 nm	500 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	719 nm		785 nm
Product Name	Clone	Reactivity	Brilliant Violet 421	BD Horizon V450	Pacific Blue™	BD Horizon V500	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
FoxP3 (Scurfin, IPEX, JM2)	<b>259D/C7</b>	NHP		<b>560460</b> 560459			560047		<b>560082</b> 560046						<b>560082</b> 560046						560045			
p53	<b>DO-7</b>	NHP					554298		556534						556534									
Rb (a.a. 332-344)	<b>G3-245</b>	NHP					556538																	



Visit [bdbiosciences.com/eu/colors](http://bdbiosciences.com/eu/colors) for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

\* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at [bdbiosciences.com](http://bdbiosciences.com).

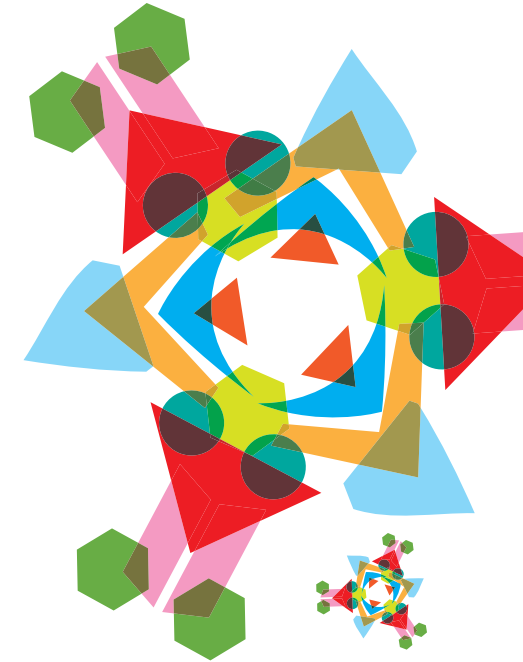
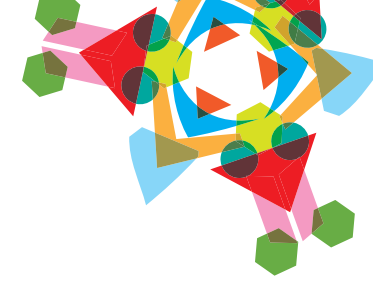
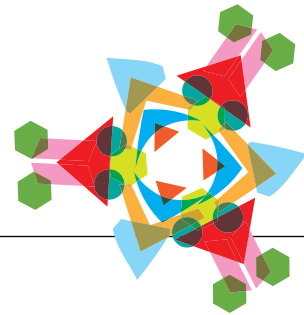
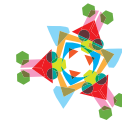
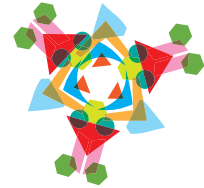
‡ Denotes that the product is a large size (250 or 500 tests)

**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25 µg).

**Clone**

Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

# Welcome to a More Colorful World<sup>SM</sup>



Regional Offices [bdbiosciences.com/eu/contact](http://bdbiosciences.com/eu/contact)

## **BD Biosciences Europe**

Erembodegem-Dorp 86  
B-9320 Erembodegem  
Belgium  
Tel.: (32) 2 400 98 95  
Fax: (32) 2 401 70 94  
[help.biosciences@europe.bd.com](mailto:help.biosciences@europe.bd.com)  
[www.bdbiosciences.com/eu](http://www.bdbiosciences.com/eu)

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

APC-Cy7: US patent 5,714,386

Pacific Blue<sup>TM</sup> and Pacific Orange<sup>TM</sup> are trademarks, and Alexa Fluor<sup>®</sup> is a registered trademark of Molecular Probes, Inc.

CF is a trademark of Biotium, Inc.

Cy<sup>TM</sup> is a trademark of Amersham Biosciences Corp. Cy dyes are subject to proprietary rights of Amersham Biosciences Corp and Carnegie Mellon University and are made and sold under license from Amersham Biosciences Corp only for research and in vitro diagnostic use. Any other use requires a commercial sublicense from Amersham Biosciences Corp, 800 Centennial Avenue, Piscataway, NJ 08855-1327, USA.

Purchase does not include or carry any right to resell or transfer this product either as a stand-alone product or as a component of another product. Any use of this product other than the permitted use without the express written authorization of Becton, Dickinson and Company is strictly prohibited. Product availability and prices are subject to change without notice.

© 2011 Becton, Dickinson and Company. All rights reserved. No part of this publication may be reproduced, transmitted, transcribed, stored in retrieval systems, or translated into any language or computer language, in any form or by any means: electronic, mechanical, magnetic, optical, chemical, manual, or otherwise, without prior written permission from BD Biosciences.

BD, BD Logo and all other trademarks are property of Becton, Dickinson and Company. © 2012 BD

X23-10984-07c  
EUROPE

