



Welcome to  
More Choice



Human Panels

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



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

Visit [bdbiosciences.com/choice](https://bdbiosciences.com/choice) to see our extensive portfolio of both new and existing reagents. Then choose reagents to build panels that suit your unique research needs.

These panels were designed based on the general principles of multicolor panel design and have not been tested experimentally at BD Biosciences. Users are encouraged to design and optimize their panels based on their specific instrument and experimental design.

These panels are provided as examples only.

Panels may be compatible with other instruments depending on specific configuration.



## B Cells

### 4 Color

Marker	Clone	Fluorochrome	Cat. No.
CD19	HIB19	APC	555415
CD45 (Leucocyte Common Antigen)	2D1	PerCP-Cy™5.5	340953
Ig, κ light chain	TB28-2	FITC	643773
Ig, λ light chain	JDC-12	PE	555797

#### Instrument Compatibility

Flow cytometry systems			Cell sorters	
BD FACSCanto™ II	BD LSRFortessa™	BD™ LSR II	BD FACSAria™	BD Influx™
●	●	●	●	●

## Human Panels

### B Cells

#### 6 Color - Option 1

Marker	Clone	Fluorochrome	Cat. No.
CD5	L17F12	PE-Cy™7	348790
CD19	SJ25C1	PerCP-Cy5.5	340951
CD20	2H7	Alexa Fluor® 700	<b>560631</b>
CD45 (Leucocyte Common Antigen)	2D1	APC-H7	560178
Ig, κ light chain	TB28-2	APC	341088
Ig, λ light chain	JDC-12	PE	555797

#### Instrument Compatibility

Flow cytometry systems			Cell sorters	
BD FACSCanto™ II	BD LSRFortessa™	BD™ LSR II	BD FACSAria™	BD Influx™
●	●	●	●	●

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### B Cells

#### 6 Color - Option 2

Marker	Clone	Fluorochrome	Cat. No.
CD5	L17F12	PE-Cy7	348790
CD19	SJ25C1	PerCP-Cy5.5	340951
CD23	M-L233	PE	555711
CD38	HIT2	APC	555462
CD45 (Leucocyte Common Antigen)	2D1	APC-H7	560178
FMC7	FMC7	FITC	340919

#### Instrument Compatibility

Flow cytometry systems			Cell sorters	
BD FACSCanto™ II	BD LSRFortessa™	BD™ LSR II	BD FACSAria™	BD Influx™
●	●	●	●	●



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Colors denote newly released products.

## Human Panels

### Dendritic Cells

#### 4 Color - Option 1

Marker	Clone	Fluorochrome	Cat. No.
CD11c (Integrin $\alpha^x$ chain)	B-ly6	APC	559877
CD123 (IL-3 Receptor $\alpha$ chain)	9F5	PE	555644
HLA-DR	L243 (G46-6)	PerCP-Cy5.5	<b>560652</b>
Lin-1, Lin-2, Lin-3*		FITC	340546 643397 643510

#### Instrument Compatibility

Flow cytometry systems			Cell sorters	
BD FACSCanto™ II	BD LSRFortessa™	BD™ LSR II	BD FACSAria™	BD Influx™
●	●	●	●	●

\*Either Lin-1, Lin-2, or Lin-3 can be used in this panel. Lineage cocktails (Lin-1, Lin-2, Lin-3) are useful for the identification of dendritic cells (DC) subsets by identifying the non-DC cells. Lin-1 contains anti-CD3, CD14, CD16, CD19, CD20, and CD56. Lin-2 is useful for the identification of CD16<sup>+</sup> DC cells and contains anti-CD3, CD14, CD19, CD20, and CD56. Lin-3 is useful for the identification of CD16<sup>+</sup>, CD56<sup>+</sup> DC cells and contains anti-CD3, CD14, CD19, and CD20.

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### Dendritic Cells

#### 4 Color - Option 2

Marker	Clone	Fluorochrome	Cat. No.
CD80 (B7-1)	L307.4	FITC	557226
CD83	HB15e	APC	551073
CD86 (B70/B7-2)	2331 (FUN-1)	PE	555658
CD209 (DC-SIGN)	DCN46	PerCP-Cy5.5	558263

#### Instrument Compatibility

Flow cytometry systems			Cell sorters	
BD FACSCanto™ II	BD LSRFortessa™	BD™ LSR II	BD FACSAria™	BD Influx™
●	●	●	●	●



## Human Panels

### Dendritic Cells

#### 6 Color - Option 1

Marker	Clone	Fluorochrome	Cat. No.
CD11c (Integrin $\alpha^x$ chain)	B-ly6	APC	559877
CD16	3G8	APC-H7	560195
CD56 (N-CAM)	NCAM16.2	PE-Cy7	335791
CD123 (IL-3 Receptor $\alpha$ chain)	9F5	PE	555644
HLA-DR	L243 (G46-6)	PerCP-Cy5.5	<b>560652</b>
Lin-3*		FITC	643510

#### Instrument Compatibility

Flow cytometry systems			Cell sorters	
BD FACSCanto™ II	BD LSRFortessa™	BD™ LSR II	BD FACSAria™	BD Influx™
●	●	●	●	●

\*Lin-3 is useful for the identification of CD16<sup>+</sup>, CD56<sup>+</sup> dendritic cells and contains anti-CD3, CD14, CD19, and CD20.



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### Dendritic Cells

#### 6 Color - Option 2

Marker	Clone	Fluorochrome	Cat. No.
CD11c (Integrin $\alpha^x$ chain)	B-ly6	APC	559877
CD16	3G8	BD Horizon™ V450	560474
CD56 (N-CAM)	NCAM16.2	PE-Cy7	335791
CD123 (IL-3 Receptor $\alpha$ chain)	9F5	PE	555644
HLA-DR	L243 (G46-6)	PerCP-Cy5.5	<b>560652</b>
Lin-3*		FITC	643510

#### Instrument Compatibility†

Flow cytometry systems			Cell sorters	
BD FACSCanto™ II	BD LSRFortessa™	BD™ LSR II	BD FACSAria™	BD Influx™
●	●	●	●	●

\*Lin-3 is useful for the identification of CD16<sup>+</sup>, CD56<sup>+</sup> dendritic cells and contains anti-CD3, CD14, CD19, and CD20.

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†Instruments must be equipped with a violet laser.

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## Human Panels

### Myeloid Cells

#### 4 Color - Option 1

Marker	Clone	Fluorochrome	Cat. No.
CD13	WM15	APC	557454
CD15	HI98	FITC	555401
CD16	3G8	PE	555407
CD45 (Leucocyte Common Antigen)	2D1	PerCP-Cy5.5	340953

#### Instrument Compatibility

Flow cytometry systems			Cell sorters	
BD FACSCanto™ II	BD LSRFortessa™	BD™ LSR II	BD FACSAria™	BD Influx™
●	●	●	●	●

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### Myeloid Cells

#### 4 Color - Option 2

Marker	Clone	Fluorochrome	Cat. No.
CD11b/Mac-1 (CR3)	ICRF44	PE	555388
CD13	WM15	APC	557454
CD33	P67.6	FITC	340533
CD45 (Leucocyte Common Antigen)	2D1	PerCP-Cy5.5	340953

#### Instrument Compatibility

Flow cytometry systems			Cell sorters	
BD FACSCanto™ II	BD LSRFortessa™	BD™ LSR II	BD FACSAria™	BD Influx™
●	●	●	●	●



## Human Panels

### Myeloid Cells

#### 4 Color - Option 3

Marker	Clone	Fluorochrome	Cat. No.
CD14	M5E2	FITC	555397
CD33	P67.6	APC	340474
CD45 (Leucocyte Common Antigen)	2D1	PerCP-Cy5.5	340953
CD64	10.1	PE	558592

#### Instrument Compatibility

Flow cytometry systems			Cell sorters	
BD FACSCanto™ II	BD LSRFortessa™	BD™ LSR II	BD FACSAria™	BD Influx™
●	●	●	●	●

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### Myeloid Cells

#### 6 Color

Marker	Clone	Fluorochrome	Cat. No.
CD13	WM15	APC	557454
CD15	HI98	FITC	555401
CD16	3G8	PerCP-Cy5.5	<b>560717</b>
CD33	P67.6	PE-Cy7	333946
CD45 (Leucocyte Common Antigen)	HI30	Alexa Fluor® 700	<b>560566</b>
CD64	10.1	PE	558592

#### Instrument Compatibility

Flow cytometry systems			Cell sorters	
BD FACSCanto™ II	BD LSRFortessa™	BD™ LSR II	BD FACSAria™	BD Influx™
●	●	●	●	●



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## NK Cells

## 6 Color

Marker	Clone	Fluorochrome	Cat. No.
CD3	SK7	PerCP-Cy5.5	340949
CD8	RPA-T8	PE	555367
CD16	3G8	PE-Cy7	557744
CD45 (Leucocyte Common Antigen)	HI30	Alexa Fluor® 700	<b>560566</b>
CD56 (N-CAM)	NCAM16.2	APC	341025
CD57	NK-1	FITC	555619

## Instrument Compatibility

Flow cytometry systems			Cell sorters	
BD FACSCanto™ II	BD LSRFortessa™	BD™ LSR II	BD FACSAria™	BD Influx™
●	●	●	●	●

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## Human Panels

### T Cells

#### 4 Color

Marker	Clone	Fluorochrome	Cat. No.
CD3	UCHT-1	FITC	555332
CD4	RPA-T4	APC	555349
CD8	RPA-T8	PE	555367
CD45 (Leucocyte Common Antigen)	2D1	PerCP-Cy5.5	340953

#### Instrument Compatibility

Flow cytometry systems			Cell sorters	
BD FACSCanto™ II	BD LSRFortessa™	BD™ LSR II	BD FACSAria™	BD Influx™
●	●	●	●	●

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### T Cells

#### 6 Color

Marker	Clone	Fluorochrome	Cat. No.
CD2 (LFA-2)	L303.1	PE-Cy7	335786
CD3	UCHT-1	FITC	555332
CD5	L17F12	PerCP-Cy5.5	341089
CD7	M-T701	BD Horizon V450	642916
CD8	RPA-T8	PE	555367
CD45 (Leucocyte Common Antigen)	2D1	APC-H7	560178

#### Instrument Compatibility<sup>1</sup>

Flow cytometry systems			Cell sorters	
BD FACSCanto™ II	BD LSRFortessa™	BD™ LSR II	BD FACSAria™	BD Influx™
●	●	●	●	●



<sup>1</sup>Instruments must be equipped with a violet laser.



## Regulatory T Cells (Tregs)/Th17

### 6 Color

Marker	Clone	Fluorochrome	Cat. No.
CD4	L200	PE-Cy7	560644  BD
CD25 (IL-2 Receptor $\alpha$ Chain)	M-A251	PerCP-Cy5.5	560503
FoxP3 (Scurfin, IPEX, JM2)*	259D/C7	PE	560046
CD127 (IL-7 Receptor $\alpha$ Subunit)	hIL-7R-M21	FITC	560549
CD196 (CCR6)	11A9	APC	560619
IL-17A	N49-653	BD Horizon V450	560610

#### Instrument Compatibility<sup>†</sup>

Flow cytometry systems			Cell sorters	
BD FACSCanto™ II	BD LSRFortessa™	BD™ LSR II	BD FACSAria™	BD Influx™
●	●	●	●	●

<sup>†</sup>Instruments must be equipped with a violet laser.

\*Requires Human FoxP3 Buffer Set (Cat. No. 560098)

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