

# Antibodies in EuroFlow™ panels

Alternative tested single vial markers are included



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		Violet Laser (405 nm)			Blue Laser (488 nm)				Red Laser (640 nm)	
		1		2	1	2	3	4	1	2
Emission Max		452 nm	448 nm	500 nm	519 nm	578 nm	695 nm	785 nm	660 nm	785 nm
Application**	Tube number	Pacific Blue™	BD Horizon™ V450	BD Horizon™ V500-C	FITC	PE	PerCP-Cy™5.5	PE-Cy™7	APC	APC-H7
LST	1		CD20 clone L27 #655872 <sup>c</sup>	EF CD45 clone 2D1 c.r. <sup>1</sup>	CD8 clone SK1 #345772 <sup>c</sup>	CD56 clone MY31 #345810 <sup>c</sup>	CD5 clone L17F12 #341109 <sup>c</sup>	CD19 clone J3-119	CD3 clone SK7 #345767 <sup>c</sup>	CD38 clone HB7 #656646*
			CD4 clone SK3 #651849*		Igλ clone 1-155-2 #347247 <sup>c</sup>	Igκ clone TB28-2 #347246 <sup>c</sup>		TCRγδ clone 11F2 #655410		
B-CLPD	1		CD20 clone L27 #655872 <sup>c</sup>	EF CD45 clone 2D1 c.r. <sup>1</sup>	CD23 clone EBVCS-5 #656148*	CD10 clone MEM-78 #658366*	CD79b clone SN8 #656644*	CD19 clone J3-119	CD200 clone OX104 #655406*	CD43 clone IG10 #655407*
	2		CD20 clone L27 #655872 <sup>c</sup>	EF CD45 clone 2D1 c.r. <sup>1</sup>	CD31 clone WM59 #555445	LAIR1 clone DX26 #550811	CD11c clone B-Ly6 658330*	CD19 clone J3-119	Igμ clone G20-127 #551062	CD81 clone JS-81 #656647*
	3		CD20 clone L27 #655872 <sup>c</sup>	EF CD45 clone 2D1 c.r. <sup>1</sup>	CD103 clone Ber-ACT8 #550259	CD95 clone DX2 #555674	CD22 clone S-HCL-1 #658329*	CD19 clone J3-119	CXCR5 clone S1505	CD49d clone 9F10 #658332*
	4		CD20 clone L27 #655872 <sup>c</sup>	EF CD45 clone 2D1 c.r. <sup>1</sup>	CD62L clone SK11 #347443*	CD39 clone Tü66 #555464	HLA-DR clone L243 #339216 <sup>c</sup>	CD19 clone J3-119	CD27 clone L128 #337169*	
T-CLPD	1		CD4 clone SK3 #651849*	EF CD45 clone 2D1 c.r. <sup>1</sup>	CD7 clone 4H9 #347483*	CD26 clone L272 #340423*	CD3 clone SK7 #332771 <sup>c</sup>	CD2 clone S5.2 #335821 <sup>c</sup>	CD28 clone CD28.2 #559770	CD8 clone SK1 #641400*
	2		CD4 clone SK3 #651849*	EF CD45 clone 2D1 c.r. <sup>1</sup>	CD27 clone L128 #340424*	CCR7 clone 150503	CD3 clone SK7 #332771 <sup>c</sup>	CD45RO clone UCHL1 #337168*	CD45RA clone HI100 #550855	CD8 clone SK1 #641400*
	3		CD4 clone SK3 #651849*	EF CD45 clone 2D1 c.r. <sup>1</sup>	CD5 clone L17F12 #345781 <sup>c</sup>	CD25 clone 2A3 #341011 <sup>c</sup>	CD3 clone SK7 #332771 <sup>c</sup>	HLA-DR clone L243 #335830 <sup>c</sup>	TCL1 clone 1-21	CD8 clone SK1 #641400*
	4		CD4 clone SK3 #651849*	EF CD45 clone 2D1 c.r. <sup>1</sup>	CD57 clone HNK-1 #333169 <sup>c</sup>	CD30 clone BerH8 #550041	CD3 clone SK7 #332771 <sup>c</sup>		CD11c clone S-HCL-3 #333144 <sup>c</sup>	CD8 clone SK1 #641400*
	5		CD4 clone SK3 #651849*	EF CD45 clone 2D1 c.r. <sup>1</sup>	Perforin clone δG9 #556577	Granzyme clone CLB-GB11	CD3 clone SK7 #332771 <sup>c</sup>	CD16 clone 3G8 #557744	CD94 clone HP-3D9 #559876	CD8 clone SK1 #641400*
	6		CD4 clone SK3 #651849*	EF CD45 clone 2D1 c.r. <sup>1</sup>		CD279 clone MIH4 #557946	CD3 clone SK7 #332771 <sup>c</sup>			CD8 clone SK1 #641400*
NK-CLPD	1		CD2 clone S5.2 #644485*	EF CD45 clone 2D1 c.r. <sup>1</sup>	CD7 clone 4H9 #347483*	CD26 clone L272 #340423*	CD3 clone SK7 #332771 <sup>c</sup>	CD56 clone N901/NKH1	CD5 clone L17F12 #345783 <sup>c</sup>	CD19 clone SJ25C1 #641395*
	2		CD16 clone 3G8 #644489*	EF CD45 clone 2D1 c.r. <sup>1</sup>	CD57 clone HNK-1 #333169 <sup>c</sup>	CD25 clone 2A3 #341011 <sup>c</sup>	CD3 clone SK7 #332771 <sup>c</sup>	CD56 clone N901/NKH1	CD11c clone S-HCL-3 #333144 <sup>c</sup>	CD19 clone SJ25C1 #641395*
	3		HLA-DR clone L243 #655874 <sup>c</sup>	EF CD45 clone 2D1 c.r. <sup>1</sup>	Perforin clone δG9 #556577	Granzyme clone CLB-GB11	CD3 clone SK7 #332771 <sup>c</sup>	CD56 clone N901/NKH1	CD94 clone HP-3D9 #559876	CD19 clone SJ25C1 #641395*

<sup>1</sup> c.r.: to order this reagent, simply contact us at bdb@europe.bd.com

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		1		2	1	2	3	4	1	2
Emission Max		452 nm	448 nm	500 nm	519 nm	578 nm	695 nm	785 nm	660 nm	785 nm
Application**	Tube number	Pacific Blue™	BD Horizon™ V450	BD Horizon™ V500-C	FITC	PE	PerCP-Cy™5.5	PE-Cy™7	APC	APC-H7
SST	1		CD20 clone L27 #655872 <sup>c</sup>	EF CD45 clone 2D1 c.r. <sup>1</sup>	CD8 clone SK1 #345772 <sup>c</sup>	CD56 clone MY31 #345810 <sup>c</sup>	CD4 clone SK3 #332772 <sup>c</sup>	CD19 clone J3-119	CD3 clone SK7 #345767 <sup>c</sup>	CD38 clone HB7 #656646*
					Igλ clone 1-155-2 #347247 <sup>c</sup>	Igκ clone TB28-2 #347246 <sup>c</sup>			CD14 clone MΦP9 #345787 <sup>c</sup>	

		Violet Laser (405 nm)			Blue Laser (488 nm)				Red Laser (640 nm)	
		1		2	1	2	3	4	1	2
Emission Max		452 nm	448 nm	500 nm	519 nm	578 nm	695 nm	785 nm	660 nm	785 nm
Application**	Tube number	Pacific Blue™	BD Horizon™ V450	BD Horizon™ V500-C	FITC	PE	PerCP-Cy™5.5	PE-Cy™7	APC	APC-H7
PCST	1		CD45 Clone 2D1 #642275*	CD138 clone MI15 #650659*	CD38 clone HB7 #340909 <sup>c</sup>	CD56 clone MY31 #345810 <sup>c</sup>	β-2 microglobulin clone T099 #656645*	CD19 clone J3-119	Igκ polyclonal	Igλ clone 1-155-2 #656648*
PCD	2		CD45 Clone 2D1 #642275*	CD138 clone MI15 #650659*	CD38 clone HB7 #340909 <sup>c</sup>	CD28 clone L293 #348047*	CD27 clone L128 #656643*	CD19 clone J3-119	CD117 clone 104D2 #333233 <sup>c</sup>	CD81 clone JS-81 #656647*

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		1		2	1	2	3	4	1	2
Emission Max		452 nm	448 nm	500 nm	519 nm	578 nm	695 nm	785 nm	660 nm	785 nm
Application**	Tube number	Pacific Blue™	BD Horizon™ V450	BD Horizon™ V500-C	FITC	PE	PerCP-Cy™5.5	PE-Cy™7	APC	APC-H7
ALOT	1		CD3 clone UCHT1 #560365	EF CD45 clone 2D1 c.r. <sup>1</sup>	MPO clone MPO7	CD79a clone HM57	CD34 clone 8G12 #347222 <sup>c</sup>	CD19 clone J3-119	CD7 clone M-T701 #653311*	CD3 clone SK7 #641415 <sup>c</sup>
BCP-ALL	1		CD20 clone L27 #655872 <sup>c</sup>	EF CD45 clone 2D1 c.r. <sup>1</sup>	CD58 clone 1C3 #555920	CD66c clone KOR-SA3544	CD34 clone 8G12 #347222 <sup>c</sup>	CD19 clone J3-119	CD10 clone HI10a #332777 <sup>c</sup>	CD38 clone HB7 #656646*
	2		Igκ clone TB28-2 658286*	EF CD45 clone 2D1 c.r. <sup>1</sup>	Igμ polyclonal rabbit serum	CD33 clone P67.6 #345799 <sup>c</sup>	CD34 clone 8G12 #347222 <sup>c</sup>	CD19 clone J3-119	Igμ clone G20-127 #551062 + CD117 clone 104D2 #333233 <sup>c</sup>	Igλ clone 1-155-2 #656648*
	3		CD9 clone M-L13 #658167*	EF CD45 clone 2D1 c.r. <sup>1</sup>	nuTdT clone HT6	CD13 clone L138 #347406 <sup>c</sup>	CD34 clone 8G12 #347222 <sup>c</sup>	CD19 clone J3-119	CD22 clone S-HCL-1 #333145 <sup>c</sup>	CD24 clone ML5 #658331*
	4		CD21 clone B-ly4 #658169*	EF CD45 clone 2D1 c.r. <sup>1</sup>	CD15 clone MMA #332778 <sup>c</sup> CDw65 clone 88H7	NG2 clone 7.1	CD34 clone 8G12 #347222 <sup>c</sup>	CD19 clone J3-119	CD123 clone 9F5 #658171*	CD81 clone JS-81 #656647*
T-ALL	1		CD3 clone UCHT1 #560365	EF CD45 clone 2D1 c.r. <sup>1</sup>	nuTdT clone HT6	CD99 clone Tü12 #555689	CD5 clone L17F12 #341109 <sup>c</sup>	CD10 clone HI10A #341112 <sup>c</sup>	CD1a clone HI149 #559775	CD3 clone SK7 #641415 <sup>c</sup>
	2		CD3 clone UCHT1 #560365	EF CD45 clone 2D1 c.r. <sup>1</sup>	CD2 clone RPA-2.10 #555326	CD117 clone 104D2 #332785 <sup>c</sup>	CD4 clone SK3 #332772 <sup>c</sup>	CD8 clone SFCl21Thy2D3	CD7 clone M-T701 #653311*	CD3 clone SK7 #641415 <sup>c</sup>
	3		CD3 clone UCHT1 #560365	EF CD45 clone 2D1 c.r. <sup>1</sup>	TCRγδ clone IMMU510	TCRαβ clone IP26A	CD33 clone P67.6 #333146 <sup>c</sup>	CD56 clone N901/NKH1	TCRβ clone 8A3	CD3 clone SK7 #641415 <sup>c</sup>
	4		CD3 clone UCHT1 #560365	EF CD45 clone 2D1 c.r. <sup>1</sup>	CD44 clone L178 #347943*	CD13 clone L138 #347406 <sup>c</sup>	HLA-DR clone L243 #339216 <sup>c</sup>	CD45RA clone L48 #337186 <sup>c</sup>	CD123 clone 9F5 #658171*	CD3 clone SK7 #641415 <sup>c</sup>

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Emission Max		452 nm	448 nm	500 nm	519 nm	578 nm	695 nm	785 nm	660 nm	785 nm	
Application**	Tube number	Pacific Blue™	BD Horizon™ V450	BD Horizon™ V500-C	FITC	PE	PerCP-Cy™5.5	PE-Cy™7	APC	APC-H7	
AML / MDS	1		HLA-DR clone L243 #655874 <sup>c</sup>	EF CD45 clone 2D1 c.r. <sup>1</sup>	CD16 clone CLB-FcGran1 #656146*	CD13 clone L138 #347406 <sup>c</sup>	CD34 clone 8G12 #347222 <sup>c</sup>	CD117 clone 104D2D1	CD11b clone D12 #333143 <sup>c</sup>	CD10 Clone HI10A #655404*	
	2		HLA-DR clone L243 #655874 <sup>c</sup>	EF CD45 clone 2D1 c.r. <sup>1</sup>	CD35 clone E11 #555452	CD64 clone 10.1 #644385*	CD34 clone 8G12 #347222 <sup>c</sup>	CD117 clone 104D2D1	IREM-2 (CD300e) clone UP-H2 #656158*	CD14 Clone MΦP9 #641394*	
	3		HLA-DR clone L243 #655874 <sup>c</sup>	EF CD45 c.r. <sup>1</sup>	CD36 clone CLB-IVC7 #656151*	CD105 clone 266 #560839	CD34 clone 8G12 #347222 <sup>c</sup>	CD117 clone 104D2D1	CD33 clone P67,6 #345800 <sup>c</sup>	CD71 clone M-A712 #655408*	
	4		HLA-DR clone L243 #655874 <sup>c</sup>	EF CD45 clone 2D1 c.r. <sup>1</sup>	nuTdT clone HT6	CD56 clone MY31 #345810 <sup>c</sup>	CD34 clone 8G12 #347222 <sup>c</sup>	CD117 clone 104D2D1	CD7 clone M-T701 #653311*	CD19 clone SJ25C1 #641395*	
	AML	5		HLA-DR clone L243 #655874 <sup>c</sup>	EF CD45 clone 2D1 c.r. <sup>1</sup>	CD15 clone MMA #332778 <sup>c</sup>	NG2 clone 7.1	CD34 clone 8G12 #347222 <sup>c</sup>	CD117 clone 104D2D1	CD22 clone S-HCL-1 #333145 <sup>c</sup>	CD38 clone HB7 #656646*
		6		HLA-DR clone L243 #655874 <sup>c</sup>	EF CD45 clone 2D1 c.r. <sup>1</sup>	CD42a clone Beb1 #348083 <sup>c</sup>	CD203c clone NP4DS #562972*	CD34 clone 8G12 #347222 <sup>c</sup>	CD117 clone 104D2D1	CD123 clone 9F5 #658171*	CD4 clone SK3 #641398*
					CD61 clone RUU-PL7F12 #347407 <sup>c</sup>						
AML-M7	7		HLA-DR clone L243 #655874 <sup>c</sup>	EF CD45 clone 2D1 c.r. <sup>1</sup>	CD41a clone HIP8 #333147 <sup>c</sup>	CD25 clone 2A3 #341011 <sup>c</sup>	CD34 clone 8G12 #347222 <sup>c</sup>	CD117 clone 104D2D1	CD42b clone HIP1 #551061	CD9 clone M-L13 #655409*	

\*\* For more information, please refer to: the issue 26 of Leukemia (2012) and in particular to:

J.J.M. van Dongen, L. Lhermitte, S. Böttcher, J. Almeida, V.H.J. van der Velden, J. Flores-Montero, A. Rawstron, V.Asnafi, Q. L'Écresse, P. Lucio, E. Mejstrikova, T. Szczepanski, T. Kalina, R. de Tute, M. Brüggemann, L. Sedek, M. Cullen, A.W. Langerak, A. Mendonça, E. Macintyre, M. Martin-Ayuso, O. Hrusak, M.B. Vidrales, and A. Orfao on behalf of the EuroFlow Consortium (EU-FP6, LSHB-CT-2006-018708), 'EuroFlow antibody panels for standardized n-dimensional flow cytometric immunophenotyping of normal, reactive and malignant leukocytes'; Leukemia 2012, 26 (9): 1908-75

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