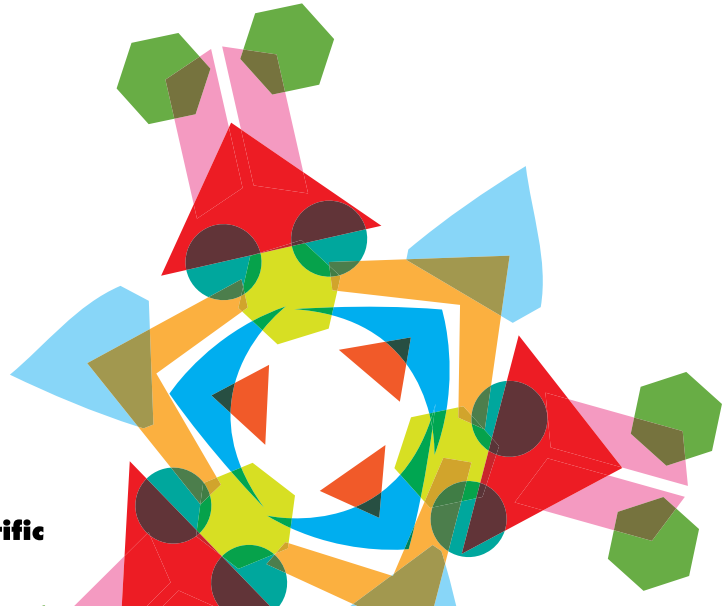
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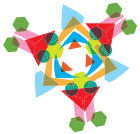
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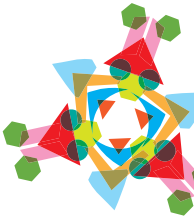
Mouse Panels

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









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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.

BD

B/Plasma Cells

7 Color

Marker	Clone	Fluorochrome	Cat. No.
CD5 (Ly-1)	53-7.3	PerCP	553025
CD19	1D3	APC-Cy™7	557655
CD24 (Heat Stable Antigen)	M1/69	PE-Cy7	**560536**
CD45 (Leucocyte Common Antigen, Ly-5)	30-F11	Alexa Fluor® 700	**560510**
CD138 (Syndecan-1)	281-2	APC	558626
IgD	11-26c.2a	FITC	553439
IgM	R6-60.2	BD Horizon™ V450	**560575** BD

Instrument Compatibility†

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

†Instrument must be equipped with a violet laser.

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Dendritic Cells

6 Color

Marker	Clone	Fluorochrome	Cat. No.
CD3e (CD3 ε chain)	145-2C11	FITC	553061
CD8a (Ly-2)	53-6.7	PerCP-Cy™5.5	551162
CD11b (Integrin α_m chain)	M1/70	APC-Cy7	557657
CD11c (Integrin α_x chain)	HL3	Alexa Fluor® 700	**560583**
CD83	Michel-19	APC	558206
I-A/I-E	M5/114.15.2	PE	557000

Instrument Compatibility

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

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Dendritic Cells

8 Color

Marker	Clone	Fluorochrome	Cat. No.
CD3e (CD3 ε chain)	145-2C11	APC-Cy7	557596
CD8a (Ly-2)	53-6.7	PerCP-Cy5.5	551162
CD11b (Integrin α_m chain)	M1/70	PE-Cy7	552850
CD11c (Integrin α_x chain)	HL3	Alexa Fluor® 700	**560583**
CD80 (B7-1)	16-10A1	BD Horizon V450	**560523** BD
CD83	Michel-19	APC	558206
CD123 (IL-3 Receptor α chain)	5B11	Biotin*	555070
I-A/I-E	M5/114.15.2	PE	557000

Instrument Compatibility†

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

*For second-step detection we recommend Streptavidin-Fluorescein Isothiocyanate (SAv-FITC) (Cat. No. 554060).
†Instrument must be equipped with a violet laser.

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Mouse Panels

Myeloid Precursor

6 Color

Marker	Clone	Fluorochrome	Cat. No.
CD3e (CD3 ε chain)	500A2	Alexa Fluor® 700	557984
CD11b (Integrin α_m chain)	M1/70	BD Horizon V450	560455 560456
CD11c (Integrin α_x chain)	HL3	PerCP-Cy5.5	**560584**
CD19*	1D3	Alexa Fluor® 700	557958
CD45R/B220*	RA3-6B2	Alexa Fluor® 700	557957
Ly-6G and Ly6C (Gr-1)	RB6-8C5	PE-Cy7	552985
TER-119/Erythroid cells (Ly-76)	Ter-119	FITC	557915

Instrument Compatibility†

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

*Need to be gated together for gating B cells.
†Instrument must be equipped with a violet laser.

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NK Cells

5 Color

Marker	Clone	Fluorochrome	Cat. No.
CD3e (CD3 ε chain)	500A2	Alexa Fluor® 700	557984
CD27 (low)	LG.3A10	PE	558754
CD25 (IL-2 Receptor α chain, p55)	PC61	PerCP-Cy5.5	551071
CD11b (Integrin α_m chain) (high)	M1/70	APC	553312
CD49b/Pan-NK Cells*	DX5	FITC	553857
NK-1.1 (NKR-P1B and NKR-P1C)	PK136	FITC	553164

Instrument Compatibility

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

*Use either CD49b or NK1.1 antibody depending on mouse stain.
CD49b is recommended for BALB/c and NK1.1 is recommended for C57/BL/6.

Basic T Cells

8 Color

Marker	Clone	Fluorochrome	Cat. No.
CD3e (CD3 ε chain)	500A2	Pacific Blue™	558214
CD4 (L3T4)	RM4-5	APC	553051
CD8a (Ly-2)	53-6.7	Alexa Fluor® 700	557959
CD25 (IL-2 Receptor α chain, p55)	PC61	PE-Cy7	552880
CD44 (Pgp-1, H-CAM, Ly-24)	IM7	PerCP-Cy5.5	**560570**
CD62L (L-selectin, LECAM-1, Ly-22)	MEL-14	APC-Cy7	**560514**
CD69	H1.2F3	PE	553237
CD184 (CXCR4, Fusin)	2B11	FITC	551967

Instrument Compatibility†

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

†Instrument must be equipped with a violet laser.

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Regulatory T Cells (Tregs)/TH17

6 Color

Marker	Clone	Fluorochrome	Cat. No.
CD4 (L3T4)	RM4-5	PerCP-Cy5.5	550954
CD25 (IL-2 Receptor α chain, p55)	7D4	FITC	553071 553072
CD223 (LAG3)	C9B7W	PE	552380
FR4	12A5	APC	560318
GITR	DTA-1	PE-Cy7	558140
IL-17A	TC11-18H10	BD Horizon V450	**560522**

Instrument Compatibility†

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

†Instrument must be equipped with a violet laser.

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APC-Cy7: US patent 5,714,386

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