



Miltenyi Biotec

MACS® Products for B cell research

B lymphocytes are central players in the adaptive immunity. Upon encountering their corresponding antigen, activated B cells either mature to antigen-producing plasma cells or persist as memory B cells after elimination of the antigen.

A wide range of MACS® Products is available for the isolation and analysis of B cells and B cell subsets, such as naive B cells, memory B cells or plasma cells from various species.

Antibodies for flow cytometry: Human cells

Product	Clone, isotype	Conjugate	Capacity	Order no.
CD10	97C5, mouse IgG1	FITC	100 tests	130-093-448
		PE	100 tests	130-093-449
		APC	100 tests	130-093-450
		Biotin	100 tests	130-093-451
CD19	LT19, mouse IgG1	FITC	100 tests	130-091-328
		PE	100 tests	130-091-247
		APC	100 tests	130-091-248
CD20	LT20, mouse IgG1	FITC	100 tests	130-091-108
		PE	100 tests	130-091-109
CD23	M-L234, mouse IgG1	FITC	100 tests	130-094-503
		PE	100 tests	130-094-505
		APC	100 tests	130-094-508
		Biotin	100 tests	130-094-510
CD27	M-T271, mouse IgG1	FITC	100 tests	130-093-184
		PE	100 tests	130-093-185
		APC	100 tests	130-093-186
		Biotin	100 tests	130-093-196
CD30	Ki-2, mouse IgG1	PE	100 tests	130-081-401
CD38	IB6, mouse IgG2b	FITC	100 tests	130-092-259
		PE	100 tests	130-092-260
		APC	100 tests	130-092-261
		Biotin	100 tests	130-092-288
CD40	HB14, mouse IgG1	PE	100 tests	130-094-135
		APC	100 tests	130-094-137
		Biotin	100 tests	130-094-142
CD69	FN50, mouse IgG1	FITC	100 tests	130-092-166
		PE	100 tests	130-092-160
		APC	100 tests	130-092-159
		Biotin	100 tests	130-092-161

Antibodies for flow cytometry: Human cells

Product	Clone, isotype	Conjugate	Capacity	Order no.
CD138	B-B4, mouse IgG1	PE	100 tests	130-081-301
		APC	100 tests	130-091-250
CD197 (CCR7)	FR11-11E8, mouse IgG1	PE	100 tests	130-093-621
		APC	100 tests	130-093-624
		pure	100 µg in 1 mL	130-093-626
Anti-Ig κ Light Chain	IS11-24D5, mouse IgG1	FITC	100 tests	130-093-053
		PE	100 tests	130-093-054
		APC	100 tests	130-093-043
		Biotin	100 tests	130-093-042
		pure	100 µg in 1 mL	130-093-041
Anti-Ig λ Light Chain	IS7-24C7, mouse IgG1	FITC	100 tests	130-093-040
		PE	100 tests	130-093-039
		APC	100 tests	130-093-038
		Biotin	100 tests	130-093-025
		pure	100 µg in 1 mL	130-093-024
Anti-IgA	IS11-8E10, mouse IgG1	FITC	100 tests	130-093-071
		PE	100 tests	130-093-128
		APC	100 tests	130-093-113
		Biotin	100 tests	130-093-114
		pure	100 µg in 1 mL	130-093-073
Anti-IgA2	IS11-21E11, mouse IgG1	FITC	100 tests	130-093-069
		PE	100 tests	130-093-070
		APC	100 tests	130-093-079
		Biotin	100 tests	130-093-080
		pure	100 µg in 1 mL	130-093-081
Anti-IgD	IgD26, mouse IgG1	FITC	100 tests	130-094-552
		PE	100 tests	130-094-539
		APC	100 tests	130-094-553
		Biotin	100 tests	130-094-554
		pure	100 µg in 1 mL	130-094-555
Anti-IgE	MB10-5C4, mouse IgG1	FITC	100 tests	130-093-065
		PE	100 tests	130-093-066
		APC	100 tests	130-093-067
		Biotin	100 tests	130-093-068
		pure	100 µg in 1 mL	130-093-127
Anti-IgG	IS11-3B2, mouse IgG1	FITC	100 tests	130-093-192
		PE	100 tests	130-093-193
		APC	100 tests	130-093-194
		Biotin	100 tests	130-093-195
		pure	100 µg in 1 mL	130-093-197
Anti-IgG1	IS11-12E4, mouse IgG1	PE	100 tests	130-093-188
		APC	100 tests	130-093-189
		Biotin	100 tests	130-093-190
Anti-IgM	PJ2-22H3, mouse IgG1	PE	100 tests	130-093-075
		APC	100 tests	130-093-076
		Biotin	100 tests	130-093-077
		pure	100 µg in 1 mL	130-093-078
MC CD19 B Cell Cocktail			50 tests	130-092-860

Antibodies for flow cytometry: Mouse cells

Product	Clone, isotype	Conjugate	Capacity	Order no.
CD19	6D5, rat IgG2a	FITC	100 tests	130-092-042
		PE	100 tests	130-092-041
		APC	100 tests	130-092-039
CD40	FGK45.5, rat IgG2a	PE	100 tests	130-092-848
		APC	100 tests	130-092-847
		Biotin	100 tests	130-092-846
CD43	L11, rat IgG2a	PE	100 tests	130-091-585
		APC	100 tests	130-091-581
CD45R (B220)	RA3-6B2, rat IgG2a	FITC	100 tests	130-091-829
		PE	100 tests	130-091-828
		APC	100 tests	130-091-843
MC CD19 B Cell Cocktail			50 tests	130-092-864

Products for cell separation: Human cells

Product	Capacity	Order no.
CD10 MicroBead Kit	10 ⁹ total cells	130-093-452
CD19 MicroBeads	10 ⁹ total cells	130-050-301
Whole Blood CD19 MicroBeads	for 40 mL whole blood	130-090-880
CD19 Multisort Kit	10 ⁹ total cells	130-055-301
CD20 MicroBeads	10 ⁹ total cells	130-091-104
CD22 MicroBeads	10 ⁹ total cells	130-046-401
B Cell Isolation Kit II	10 ⁹ total cells	130-091-151
Naive B Cell Isolation Kit II	10 ⁹ total cells	130-091-150
CD27 MicroBeads	10 ⁹ total cells	130-051-601
CD30 MicroBeads	10 ⁹ total cells	130-051-401
CD38 MicroBead Kit	10 ⁹ total cells	130-092-263
CD43 MicroBeads	10 ⁹ total cells	130-091-333
CD69 MicroBead Kit II	10 ⁹ total cells	130-092-355
CD105 MicroBeads	10 ⁹ total cells	130-051-201
CD138 MicroBeads	2×10 ⁹ total cells	130-051-301
Whole Blood CD138 MicroBeads	for 40 mL whole blood	130-093-062
Plasma Cell Isolation Kit II (coming in March 2009)	2×10 ⁹ total cells	130-093-628
Anti-IgG MicroBeads	10 ⁹ total cells	130-047-501
Anti-IgM MicroBeads	10 ⁹ total cells	130-093-230
Memory B Cell Isolation Kit	2×10 ⁹ total cells	130-093-546
IgG ⁺ Memory B Cell Isolation Kit	2×10 ⁹ total cells	130-094-350
IgM ⁺ Memory B Cell Isolation Kit	2×10 ⁹ total cells	130-093-619
Switched Memory B Cell Isolation Kit (coming in March 2009)	2×10 ⁹ total cells	130-093-617
B Cell Isolation Kit (B-CLL)	10 ⁹ total cells	130-093-660

Products for cell separation: Non-human primate cells

Product	Capacity	Order no.
CD20 MicroBeads	10 ⁹ total cells	130-091-105

Products for cell separation: Mouse cells

Product	Capacity	Order no.
CD19 MicroBeads	2×10 ⁹ total cells	130-052-201
CD45R (B220) MicroBeads	2×10 ⁹ total cells	130-049-501
B Cell Isolation Kit	10 ⁹ total cells	130-090-862
CD43 (Ly-48) MicroBeads	2×10 ⁹ total cells	130-049-801
CD5 (Ly-1) MicroBeads	2×10 ⁹ total cells	130-049-301
CD138 ⁺ Plasma Cell Isolation Kit	2×10 ⁹ total cells	130-092-530

Products for cell separation: Rat cells

Product	Capacity	Order no.
CD45R MicroBeads	10 ⁹ total cells	130-090-495
CD45RA MicroBeads	10 ⁹ total cells	130-090-494
Mouse Anti-Rat Kappa MicroBeads	10 ⁹ total cells	130-047-401
CD43 MicroBeads	10 ⁹ total cells	130-090-742

Products for cell separation: Indirect magnetic labeling

Product	Capacity	Order no.
Anti-Biotin MicroBeads	10 ⁹ total cells	130-090-485
Anti-Biotin MultiSort Kit	1–5×10 ⁹ total cells	130-091-256



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