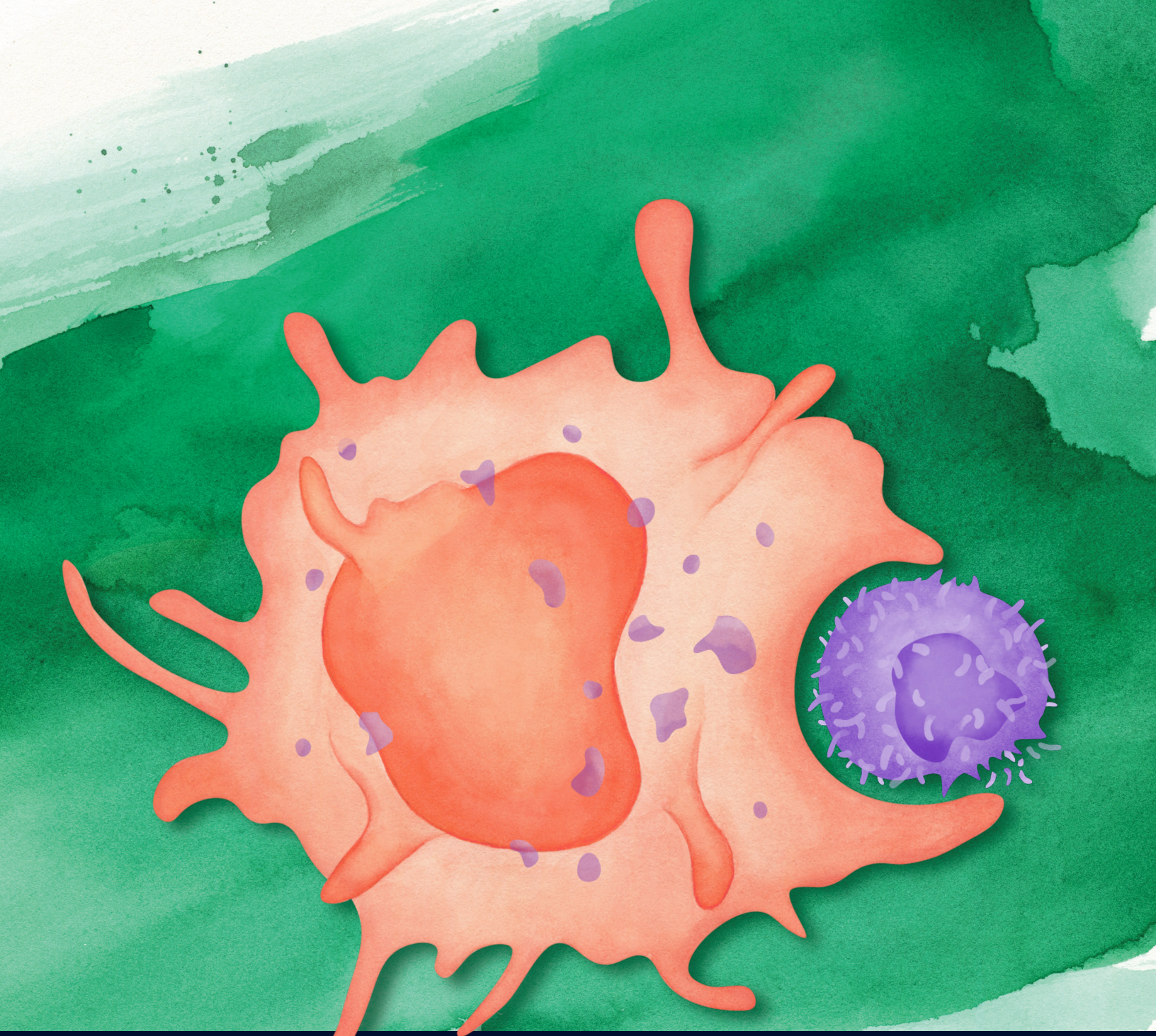

Depletion Antibodies

Immune Cell Specific Depletion Antibodies

BioCell

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Mouse Immune Cell Specific Depletion Antibodies

Bio X Cell offers a range of monoclonal antibodies to mouse cell surface proteins for *in vivo* cell specific depletion studies. *in vivo* cell specific depletion experiments are widely used to establish the role of a specific cell type in a variety of immunological processes and diseases.

These antibodies are reported for use in *in vivo* studies where the injected depletion antibody is intended to deplete a specific cell type. These types of experiments are useful to extend and confirm results obtained with genetic knock-out mouse strains or to provide information about the direct biological relevance of a certain cell type.

These antibodies mediate cell depletion through multiple mechanisms including antibody-dependent cellular cytotoxicity (ADCC), complement-dependent cytotoxicity (CDC), and antibody-dependent cellular phagocytosis (ADCP). For information about the dosage and kinetics of administration for the in vivo injection of these antibodies, we have compiled an up-to-date list of references for each depletion antibody. These can be found on the individual product pages. We encourage you to review these papers and others in the literature to find the optimal protocol for your experimental system and goals.

Cell Type	Target	Reactivity	Application	Clone	Catalog #	Isotype Control
B Cells	B220	Mouse	*in vivo* B cell depletion, *in vitro* B cell negative selection	RA3.3A1/6.1	BE0067	BE0094
	CD19	Mouse	*in vivo* B cell depletion, in vivo CD19 neutralization, *in vitro* B cell negative selection, FC	1D3	BE0150	BE0089
	CD20	Mouse	*in vivo* B cell depletion, WB	MB20-11	BP0356	BP0366
T Cells	CD3ε	Mouse	*in vivo* T cell depletion, *in vitro* T cell stimulation/activation, IF, FC, WB	145-2C11	BP0001-1	BP0091
	CD3ε	Mouse	*in vivo* T cell depletion	145-2C11 f(ab')2	BE0001-1FAB	BE0091-FAB
	Thy1.2 (CD90.2)	Mouse	*in vivo* ILC depletion, *in vivo* T cell depletion, WB	30H12	BP0066	BP0090
	Thy1.1 (CD90.1)	Mouse	*in vivo* T cell depletion	19E12	BE0214	BE0085
	Thy1 (CD90)	Mouse	*in vitro* T cell depletion	M5/49.4.1	BE0076	BE0089
	TCRβ	Mouse	*in vivo* T cell depletion	H57-597	BE0102	BE0091
CD4⁺ T Cells	CD4	Mouse	*in vivo* CD4+ T cell depletion, WB, FC	GK1.5	BP0003-1	BP0090
	CD4	Mouse	*in vivo* CD4+ T cell depletion	YTS 191	BE0119	BE0090
CD8⁺ T Cells	CD8α	Mouse	*in vivo* CD8+ T cell depletion, WB	2.43	BP0061	BP0090
	CD8α	Mouse	*in vivo* CD8+ T cell depletion, IF, WB, FC	53-6.7	BP0004-1	BP0089
	CD8α	Mouse	*in vivo* CD8+ T cell depletion, WB	YTS 169.4	BP0117	BP0090
	CD8 (Lyt 2.1)	Mouse	*in vivo* CD8+ T cell depletion, FC	116-13.1	BE0118	BE0085
	CD8β	Mouse	*in vivo* CD8+ T cell depletion, *in vitro* CD8 blockade, IF	53-5.8	BE0223	BE0088
T_{Reg} Cells	CD25 (IL-2Rα)	Mouse	*in vivo* regulatory T cell depletion, FC	PC-61.5.3	BP0012	BP0088
γδ T Cells	Vγ2 TCR	Mouse	*in vivo* γδ T cell depletion, FC	UC3-10A6	BE0168	BE0091
ILCs	Thy1.2 (CD90.2)	Mouse	*in vivo* ILC depletion, in vivo T cell depletion, WB	30H12	BP0066	BP0090
NK Cells	NK1.1	Mouse	*in vivo* NK cell depletion, FC	PK136	BP0036	BP0085
	CD122 (IL-2Rβ)	Mouse	*in vivo* NK cell depletion, in vivo CD122 blockade, *in vitro* IL-2R blockade, Functional Assay, FC	TM-beta 1	BE0298	BE0090
Neutrophils	Ly6G	Mouse	*in vivo* neutrophil depletion, *in vivo* MDSC depletion, IF, IHC-P, IHC-F, FC	1A8	BP0075-1	BP0089
	Ly6G/Ly6C (Gr-1)	Mouse	*in vivo* depletion of Gr-1+ myeloid cells, IHC-P, IHC-F, FC	RB6-8C5	BP0075	BP0090
	Ly6G/Ly6C	Mouse	*in vivo* neutrophil depletion, IHC-P, IHC-F, FC	NIMP-R14	BE0320	BE0090
Eosinophils	IL-5	Mouse	*in vivo* IL-5 neutralization, *in vivo* eosinophil depletion	IL-5	BE0198	BE0088
	CCR3 (CD193)	Mouse	*in vivo* eosinophil depletion	6S2-19-4	BE031	BE0090

IF Immunofluorescence | IHC-F Immunohistochemistry (frozen) | IHC-P Immunohistochemistry (paraffin) | WB Western blot | IP Immunoprecipitation | FC Flow cytometry (requires flurochrome conjugation)

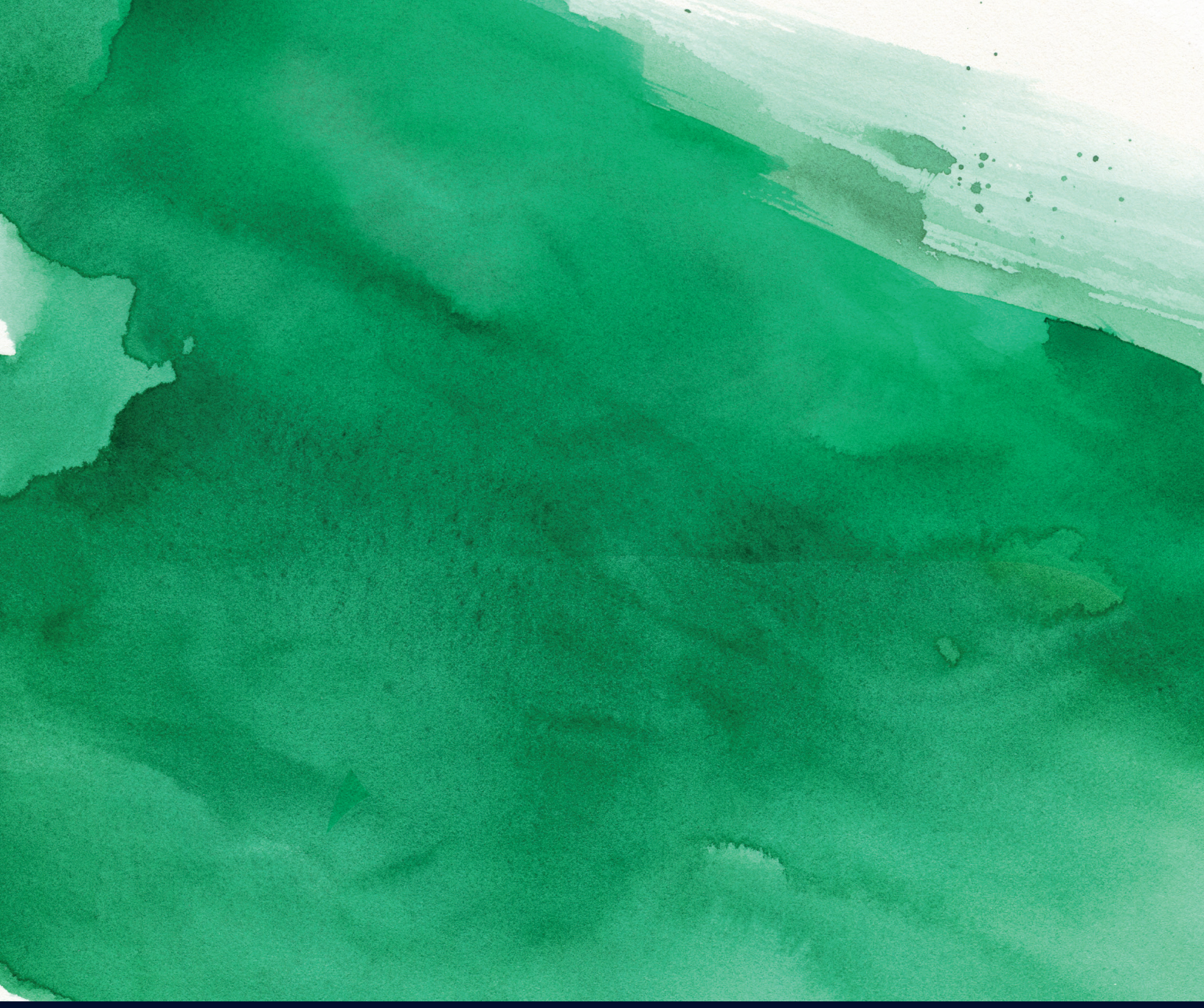
Mouse Immune Cell Specific Depletion Antibodies

Cell Type	Target	Reactivity	Application	Clone	Catalog #	Isotype Control
Macrophages 	CSF1R (CD115)	Mouse	*in vivo* macrophage depletion, *in vitro* CSF1R neutralization, *in vivo* monocyte depletion, FC, WB	AFS98	BP0213	BP0089
	F4/80	Mouse	*in vivo* Monocyte/Macrophage depletion, Functional Assay, IHC-P, IHC-F, FC	Cl:A3-1	BE0206	BE0090
	Ly6C	Mouse	*in vivo* macrophage depletion (in combination with clodronate liposomes), FC	Monts 1	BE0203	BE0089
Monocytes 	Ly6G/Ly6C (Gr-1)	Mouse	*in vivo* depletion of Gr-1+ myeloid cells, FC, IHC-P, IHC-F	RB6-8C5	BE0075	BP0090
	CSF1R	Mouse	*in vivo* macrophage depletion, *in vitro* CSF1R neutralization, *in vivo* monocyte depletion, FC, WB	AFS98	BE0213	BP0089
	F4/80	Mouse	*in vivo* Monocyte/Macrophage depletion, FA, FC, IHC-P, IHC-F	Cl:A3-1	BE0206	BE0090
Plasmacytoid Dendritic Cells 	CD317 (PDCA-1)	Mouse	*in vivo* pDC depletion, IF, FC	927	BE0311	BE0090
Mast Cell 	c-Kit	Mouse	*in vivo* mast cell depletion, *in vivo* c-Kit+ cell depletion, *in vitro* c-Kit neutralization, IP, FC	ACK2	BE0293	BE0090

Immune Cell Specific Depletion Antibodies for Other Species

Target	Reactivity	Application	Clone	Catalog #	Isotype Control
IL-5	Human, Mouse	*in vivo* IL-5 neutralization, *in vivo* eosinophil depletion	TRFK5	BE0198	BE0088
CD25 (IL-2Rα)	Human	*in vivo* regulatory T cell depletion in humanized mice, IP, IF	7G7B6	BE0014	BE0085
CD2	Human	*in vivo* T cell depletion, *in vivo* prevention of graft rejection, *in vitro* inhibition of MLR, FA, IHC-F, ELISA	LO-CD2a	BE0406	BE0090
c-Kit (CD117)	Human	*in vivo* c-Kit+ cell depletion, in vitro c-Kit targeting, IHC-F	SR-1	BE0380	BE0085
TCR γ/δ	Rat	*in vivo* γ/δ T cell depletion, FC	V65	BE0414	BE0083
CD8α	Rat	*in vivo* CD8+ T cell depletion, FC, IHC-P, IHC-F	OX-8	BE0415	BE0083
CD4	Rat	*in vivo* CD4+ T cell depletion, FC	OX-38	BP0308	BP0085

IF Immunofluorescence | IHC-F Immunohistochemistry (frozen) | IHC-P Immunohistochemistry (paraffin) | WB Western blot | IP Immunoprecipitation | FC Flow cytometry (requires flurochrome conjugation)



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