Immunology: Mouse Neutralizing and Blocking Antibodies

In vivo Functional Grade Cell-Specific Depletion Antibodies

Lot-to-lot reproducible monoclonal antibodies against mouse cell-specific proteins and cytokines are paramount for reproducible results. Depletion can occur naturally or be induced for treatment purposes. Therefore, it is a useful tool in therapeutic, immunotherapy and diagnostic research. It is common practice for researchers to use antibodies to remove a specific cell type to infer its function and mouse cell depletion *in vivo* experiments are used to establish the role of specific cell types in a variety of immunological processes. Many of these antibodies have been developed by academic and government labs all over the world and have been reported and referenced for use in *in vivo* studies to deplete a specific cell type.

Cell Types

T Cells	Treg Cells	Monocytes
B Cells	γδ T Cells	Macrophages
CD8+ T Cells	NK Cells	Neutrophils
CD4+ T Cells	ILCs	Eosinophils

In vivo GOLD™ & PLATINUM™ Quality Standards

In vivo GOLD™ and PLATINUM™ functional grade antibodies from Leinco Technologies are known for lot-to-lot reproducibility, low endotoxins and no detectable impurities.

Specifications	*in vivo* GOLD™ Mabs	*in vivo* PLATINUM™ Mabs
Binding validation determined by WB, FC or ELISA	Yes	Yes
Endotoxin level determined by the LAL method	≤ 1.0 EU/mg	≤ 0.5 EU/mg
Antibody aggregation screening by analytical SEC	≥ 95% monomer	≥ 98% monomer
Purity by SDS Page	≥ 95%	≥ 98%
Formulation for *in vivo* use	No preservatives No stabilizers No carrier proteins Sterile PBS pH 7.2 - No K^+ or CA^{2+} Concentration: > 5mg/mL	No preservatives No stabilizers No carrier proteins Sterile PBS pH 7.2 - No K^+ or CA^{2+} Concentration: > 5mg/mL
Murine pathogen screening	Not applicable, see PLATINUM functional grade antibodies	Pathogen tested (IMPACT1)
Applications	*In vivo* functional studies and may be used for studies, as well as WB, FC, IF or IHC	
Product preparation	Functional grade preclinical antibodies are manufactured in an animal free facility using only *in vitro* protein free cell culture techniques and are purified by a multi-step process including the use of protein A or G to assure extremely low levels of endotoxins, leachable protein A or aggregates.	
Storage and handling	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** • 1 month, 2 to 8 °C under sterile conditions, as supplied. • 12 months, -70 °C under sterile conditions.	

Scan the QR code to see our full catalog of Cell-Specific Depletion Antibodies

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S01-2211-A

Cell Type	Target	Clone	GOLD Prod. No.	PLATINUM Prod. No.
T Cells	CD3ε	145-2C11	C1758	C2280
	Thy1.2 (CD90.2)	30H12	C393	C430
	Thy (CD90)	T24/31	C392	C1789
	TCR β	H57-597	T662	T772
	γ/δ	UC7-13D5	T352	T952
	CD4	YTS 191	C3220	C3210
B Cells	B220	RA3-6B2	C383	C2844
	CD19	1D3	C2117	C2849
	CD22	Cy34.1	C3358	C4358
CD8+ T Cells	CD8α	2.43	C380	C2837
	CD8α	53-6.7	C375	C2848
	CD8α	YTS 169	C2442	C2850
	CD8β	53-5.8	C2832	C2836
CD4+ T Cells	CD4	GK1.5	C1333	C2838
Treg Cells	CD25 (IL-2Rα)	PC61	C1194	C2845
γδ T Cells	Vγ2 TCR	UC3-10A6	T353	T704
NK Cells	NK 1.1	PK136	N123	N268
	CD122 (IL-2Rβ)	TM-β1	C2325	C6325
ILCs	Thy1.2 (CD90.2)	30H12	C393	C430
Monocytes	Ly6G (Gr-1)	RB6-8C5	G100	G153
	CSF1R	AFS98	C2169	C2268
Macrophages	CSF1R (CD115)	AFS98	C2169	C2268
Neutrophils	Ly6G	1A8	L280	L305
	Ly6G (Gr-1)	RB6-8C5	G100	G153
Eosinophils	IL-5	TRFK5	I-1060	I-1192

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