

# CD300a Monoclonal Antibody (172224)

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Rat / IgG2A
Class	Monoclonal
Type	Antibody
Clone	172224
Conjugate	Unconjugated
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse CD300a/LMIR1 Leu28-Arg183
Form	Lyophilized
Concentration	0.5 mg/mL
Purification	Protein A/G
Storage buffer	PBS with 5% trehalose
Contains	No Preservative
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2607219

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	2.5 µg per million cells	1 Publication

## Product Specific Information

In direct ELISAs, no cross-reactivity with recombinant human LMIR1, 2, 3, 4, 5, 6, recombinant mouse LMIR3, 4, or 5 is observed.

Reconstitute at 0.5 mg/mL in sterile PBS.

Flow Cytometry (1)

Frontiers in immunology	Year 2022
<b>CD300a Receptor Blocking Enhances Early Clearance of <i>Leishmania donovani</i> From Its Mammalian Host Through Modulation of Effector Functions of Phagocytic and Antigen Experienced T Cells.</b>	Species Mouse
<p>"MA5-23927 was used in Functional assays to report that <i>L. donovani</i>, which causes visceral leishmaniasis in the Indian subcontinent, upregulates the expression of an immune inhibitory receptor i.e., CD300a on antigen presenting and phagocytic cells to dampen their effector functions."</p> <p>Authors: Singh R,Anand A,Rawat AK,Saini S,Mahapatra B,Singh NK,Mishra AK,Singh S,Singh N,Kishore D,Kumar V, Das P,Singh RK</p>	

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