

For Research Use Only

# CD300a Recombinant monoclonal antibody

Catalog Number:87050-1-RR



## Basic Information

<b>Catalog Number:</b> 87050-1-RR	<b>GenBank Accession Number:</b> GeneID (NCBI): 217303	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>UNIPROT ID:</b> Q6SJQ0-1	<b>CloneNo.:</b> 251972C10
<b>Source:</b> Rabbit	<b>Full Name:</b> CD300A antigen	<b>Recommended Dilutions:</b> WB: 1:1000-1:4000
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 36 kDa	
<b>Immunogen Catalog Number:</b> EG2675	<b>Observed MW:</b> 60-70 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : J774A.1 cells, RAW 264.7 cells, mouse spleen tissue, rat spleen tissue
<b>Species Specificity:</b> mouse, rat	

## Background Information

CD300a is a transmembrane protein with an immunoglobulin (Ig)V-like extracellular domain and a cytoplasmic tail containing immunoreceptor tyrosine-based inhibitory motifs (ITIMs), providing the receptor with an inhibitory capacity. The relevance of the CD300a molecule in several pathological conditions has been highlighted by multiple studies. (PMID: 37762055)

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

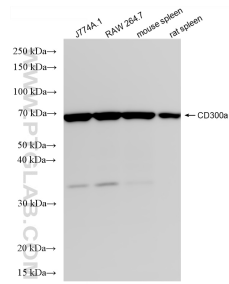
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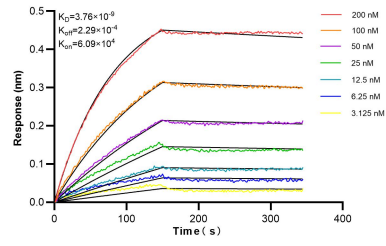
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87050-1-RR (CD300a antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 87050-1-RR against Mouse CD300a were performed. The affinity constant is 3.76 nM.