

For Research Use Only

CD59 Recombinant monoclonal antibody

Catalog Number:87072-1-RR



Basic Information

Catalog Number: 87072-1-RR	GenBank Accession Number: GeneID (NCBI): 25407	Purification Method: Protein A purification
Source: Rabbit	UNIPROT ID: P27274	CloneNo.: 252160A2
Isotype: IgG	Full Name: CD59 molecule, complement regulatory protein	Recommended Dilutions: WB: 1:5000-1:50000
Immunogen Catalog Number: EG3220	Calculated MW: 14 kDa	
	Observed MW: 18-20 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : rat lung tissue, rat heart tissue
Species Specificity: rat	

Background Information

CD59, also named as MIC11, MIN1, MIN2, MIN3, MSK21, M1RL, MAC1F, HRF20 and 1F5 antigen, is a cell surface molecule glycoprotein with MW 18-25 kDa. It acts as a determinant of proximal-distal cell identity. CD59 acts by binding to the C8 and/or C9 complements of the assembling membrane attack complex (MAC), thereby preventing incorporation of the multiple copies of C9 required for complete formation of the osmolytic pore. It is involved in signal transduction for T-cell activation complexed to a protein tyrosine kinase.

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

For technical support and original validation data for this product please contact:

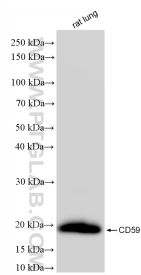
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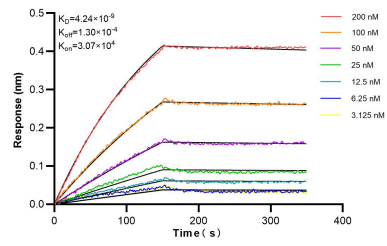
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Selected Validation Data



rat lung tissue was subjected to SDS PAGE followed by western blot with 87072-1-RR (CD59 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 87072-1-RR against Rat CD59 were performed. The affinity constant is 4.24 nM.