

For Research Use Only

Rat CD59 Recombinant monoclonal antibody, PBS Only

Catalog Number:87072-1-PBS



Basic Information

Catalog Number:

87072-1-PBS

Size:

100ug , Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG3220

GenBank Accession Number:

GeneID (NCBI):

25407

UNIPROT ID:

P27274

Full Name:

CD59 molecule, complement regulatory protein

Calculated MW:

14 kDa

Observed MW:

18-20 kDa

Purification Method:

Protein A purification

CloneNo.:

252160A2

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

rat

Background Information

CD59, also named as MIC11, MIN1, MIN2, MIN3, MSK21, MIRL, MACIF, 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 -80°C.

Storage Buffer:

PBS only, pH7.3

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

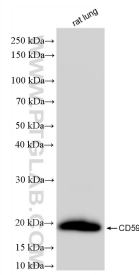
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com

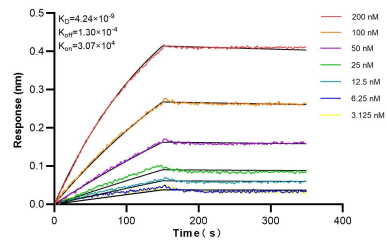
W: ptglab.com

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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. This data was developed using the same antibody clone with 87072-1-PBS in a different storage buffer formulation.



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