

For Research Use Only

# CD59 Recombinant monoclonal antibody

Catalog Number:87072-1-RR



## Basic Information

<b>Catalog Number:</b> 87072-1-RR	<b>GenBank Accession Number:</b> GeneID (NCBI): 25407	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>UNIPROT ID:</b> P27274	<b>CloneNo.:</b> 252160A2
<b>Source:</b> Rabbit	<b>Full Name:</b> CD59 molecule, complement regulatory protein	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 14 kDa	
<b>Immunogen Catalog Number:</b> EG3220	<b>Observed MW:</b> 18-20 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : rat lung tissue, rat heart tissue
<b>Species Specificity:</b> 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 -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

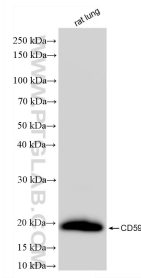
For technical support and original validation data for this product please contact:

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

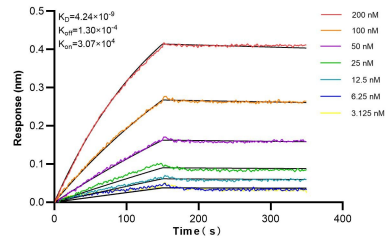
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## 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.