

For Research Use Only

CD59 Recombinant antibody

Catalog Number: 84447-1-RR

Featured Product



Basic Information

Catalog Number:

84447-1-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC001506

GeneID (NCBI):

966

UNIPROT ID:

P13987

Full Name:

CD59 molecule, complement regulatory protein

Calculated MW:

19 kDa

Observed MW:

18-20 kDa

Purification Method:

Protein A purification

CloneNo.:

241310G8

Recommended Dilutions:

WB: 1:1000-1:6000

IF/ICC: 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

WB : HeLa cells, HUVEC cells, BxPC-3 cells

IF/ICC : BxPC-3 cells,

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:

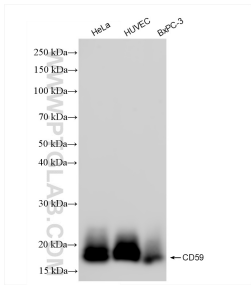
T: 4006900926

E: Proteintech-CN@ptglab.com

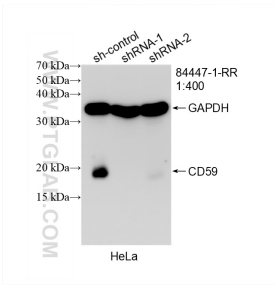
W: ptgcn.com

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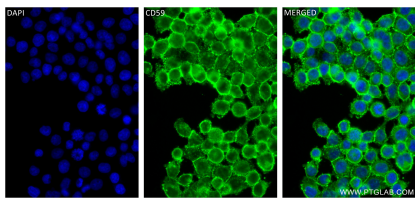
Selected Validation Data



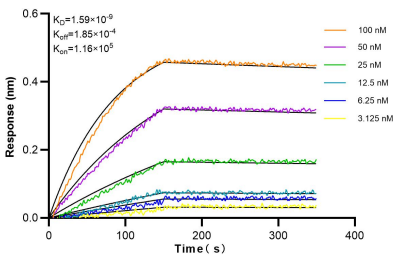
Various lysates were subjected to SDS PAGE followed by western blot with 84447-1-RR (CD59 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



WB result of CD59 antibody (84447-1-RR; 1:400; incubated at room temperature for 1.5 hours) with sh-Control and sh-CD59 transfected HeLa cells.



Immunofluorescent analysis of (4% PFA) fixed BxPC-3 cells using CD59 antibody (84447-1-RR, Clone: 241310G8) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 84447-1-RR against Human CD59 were performed. The affinity constant is 1.59 nM.