

For Research Use Only

CD59 Recombinant antibody

Catalog Number: 84447-1-RR



Basic Information

Catalog Number: 84447-1-RR	GenBank Accession Number: BC001506	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 966	CloneNo.: 241310G8
Source: Rabbit	UNIPROT ID: P13987	Recommended Dilutions: WB 1:1000-1:6000 IF/ICC 1:200-1:800
Isotype: IgG	Full Name: CD59 molecule, complement regulatory protein	
	Calculated MW: 19 kDa	
	Observed MW: 18-20 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls: WB : HeLa cells, HUVEC cells, BxPC-3 cells
Species Specificity: human	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 pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

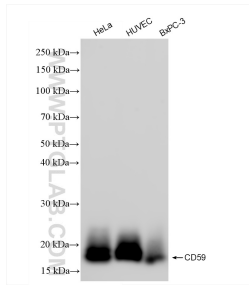
T: 4006900926

E: Proteintech-CN@ptglab.com

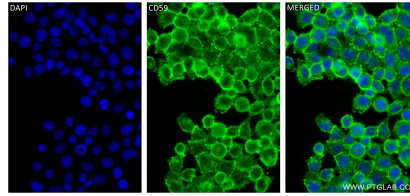
W: ptgcn.com

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

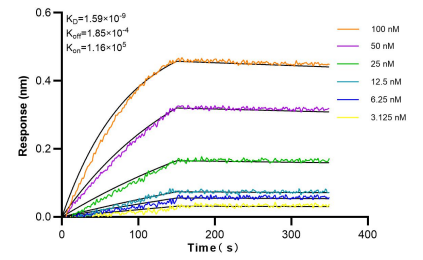
Selected Validation Data



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.



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.