

For Research Use Only

CD59 Recombinant antibody

Catalog Number: 84447-1-RR



Basic Information

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|--|---|---|
| Catalog Number: 84447-1-RR | GenBank Accession Number: BC001506 | Purification Method: Protein A purification |
| Size: 100ul , Concentration: 1000 µg/ml by Nanodrop; | 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

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

***** 20ul sizes contain 0.1% BSA**

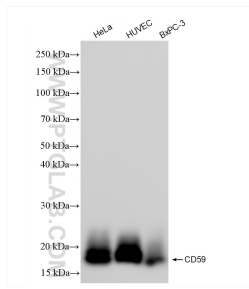
For technical support and original validation data for this product please contact:

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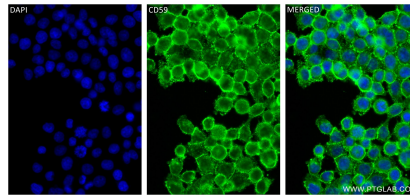
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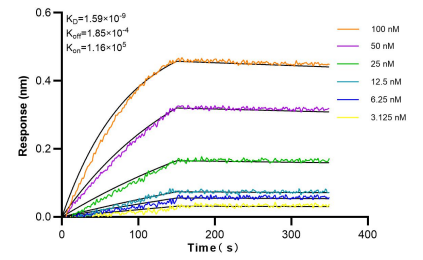
Selected Validation Data



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.



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).



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