

For Research Use Only

Mouse CD55 Recombinant antibody, PBS Only

Catalog Number: 84519-6-PBS



Basic Information

| | | |
|-------------------------------------|--|--|
| Catalog Number: 84519-6-PBS | GenBank Accession Number: NM_010016.3 | Purification Method: Protein A purification |
| Concentration: 1 mg/ml | GeneID (NCBI): 13136 | CloneNo.: 241808F7 |
| Source: Rabbit | UNIPROT ID: Q61475 | |
| Isotype: IgG | Full Name: CD55 antigen | |
| Immunogen Catalog Number: EG2124 | Calculated MW: 43kDa | |
| | Observed MW: 55-65 kDa | |

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
mouse

Background Information

CD55, also known as DAF, is a glycosylphosphatidylinositol (GPI)-anchored surface glycoprotein that is widely distributed on blood, stroma, epithelial, and endothelial cells (PMID: 7517044; 29503741). It can also exist as a soluble form in plasma, urine, saliva, tears, and synovial fluids (PMID: 29503741). CD55 is a complement regulatory protein (PMID: 2469439; 7517044). It inhibits formation of the C3 convertases through binding to C3b and C4b. It also binds the alternate pathway convertase C3bBb, the classical pathway convertase and C4b2a to accelerate their decay (PMID: 17289551). CD55 also serves as a receptor for coxsackieviruses B1, B3, and B5 and several enteroviruses (PMID: 7538177; 7517044). The observed molecular weight of mature CD55 varies between 50 to 100 kDa depending on the cell type. Different sizes of CD55 might be caused by alternative splicing or different glycosylation patterns (PMID: 29503741).

Storage

Storage:
Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

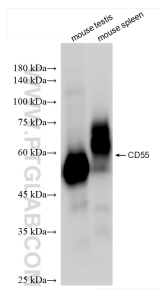
T: 4006900926

E: Proteintech-CN@ptglab.com

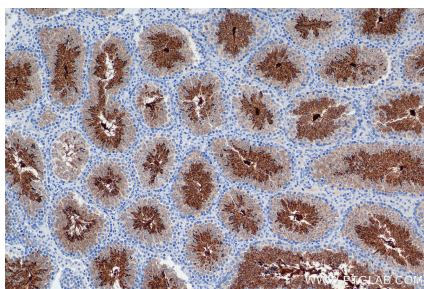
W: ptgcn.com

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

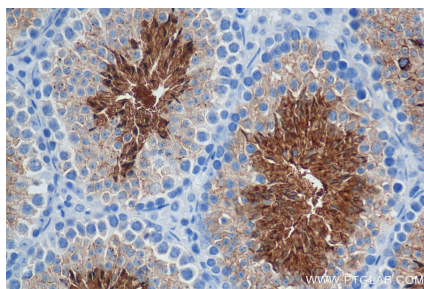
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84519-6-RR (CD55 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84519-6-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 84519-6-RR (CD55/DAF antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84519-6-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 84519-6-RR (CD55/DAF antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84519-6-PBS in a different storage buffer formulation.