

For Research Use Only

Mouse CD55 Recombinant antibody, PBS Only

Catalog Number: 84519-4-PBS



Basic Information

Catalog Number: 84519-4-PBS	GenBank Accession Number: NM_010016.3	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 13136	CloneNo.: 241808C10
Source: Rabbit	UNIPROT ID: Q61475	
Isotype: IgG	Full Name: CD55 antigen	
	Calculated MW: 43kDa	
	Observed MW: 58-70 kDa	

Applications

Tested Applications:
WB, 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

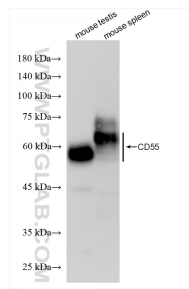
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

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)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84519-4-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 84519-4-PBS in a different storage buffer formulation.