

For Research Use Only

# Mouse CD169 Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 86605-1-PBS



## Basic Information

Catalog Number:	86605-1-PBS	GenBank Accession Number:	NP_035556	Purification Method:	Protein A purification
Source:	Rabbit	GenID (NCBI):	20612	CloneNo.:	251348G9
Isotype:	IgG	UNIPROT ID:	Q62230-1		
Immunogen Catalog Number:	EG5002	Full Name:	sialic acid binding Ig-like lectin 1, sialoadhesin		
		Calculated MW:	183 kDa		
		Observed MW:	220 kDa		

## Applications

Tested Applications:  
WB, Cytometric bead array, Sandwich ELISA, Indirect ELISA

Species Specificity:  
mouse

## Background Information

CD169, also known as sheep erythrocyte receptor (SER), Sialoadhesin (Sn) or Siglec-1, is a sialic acid-binding immunoglobulin-like lectin that belongs to the SIGLEC family of the Ig superfamily (PMID: 3783087; 11133773). CD169 is a single-pass transmembrane protein containing a long extracellular domain, a transmembrane region, and a short cytoplasmic tail (PMID: 11133773). It is primarily expressed on the surface of specific macrophage subsets and its precursor monocytes, as well as on some DCs (PMID: 33408860). CD169 binds to sialic acid-containing glycoconjugates, particularly those with  $\alpha$  (2,3)-linkages. It is involved in immune regulation, pathogen recognition, and cell-cell interactions.

## 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

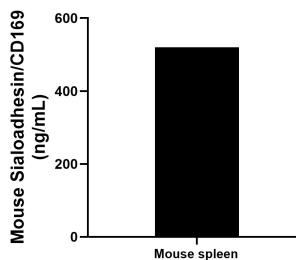
E: Proteintech-CN@ptglab.com

W: ptgcn.com

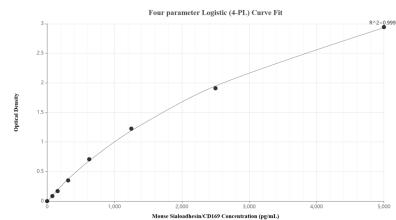
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data

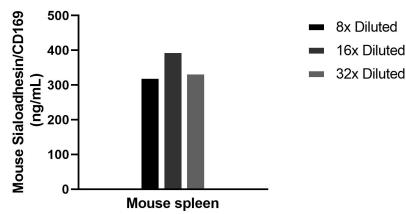
Various lysates were subjected to SDS PAGE followed by western blot with 86605-1-RR (Siglec1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86605-1-PBS in a different storage buffer formulation.



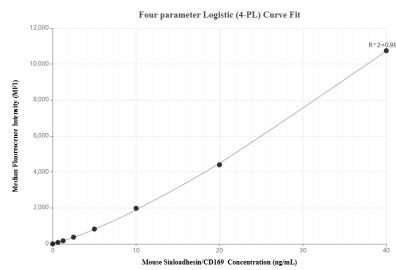
The mean Sialoadhesin/CD169 concentration was determined to be 519.6 ng/mL in mouse spleen tissue extract based on a 8.5 mg/mL extract load.



Sandwich ELISA standard curve of MP02539-1, Mouse Sialoadhesin/CD169 Recombinant Matched Antibody Pair - PBS only. 86605-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg5002. 86605-2-PBS was HRP conjugated as the detection antibody. Range: 78.1-5000 pg/mL



The mean Sialoadhesin/CD169 concentration was determined to be 351.7 ng/mL in Mouse spleen tissue extract based on a 6.4 mg/mL extract load.



Cytometric bead array standard curve of MP02539-1, MOUSE Sialoadhesin/CD169 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 86605-1-PBS. Detection antibody: 86605-2-PBS. Standard: Eg5002. Range: 0.625-40 ng/mL