For Research Use Only

CD169 Recombinant monoclonal antibody

Catalog Number:86605-1-RR

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Basic Information

Catalog Number:
86605-1-RR

Concentration:
1000 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG5002

GenBank Accession Number:
NP_035556

GeneID (NCBI):
20612

UNIPROT ID:
Q62230-1

Full Name:
sialic acid binding Ig-like lectin 1, sialoadhesin

Calculated MW:
183 kDa

Observed MW:
220 kDa

Purification Method:
Protein A purification

CloneNo.:
251348G9

Recommended Dilutions:
WB: 1:1000-1:4000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
mouse

Positive Controls:

WB : RAW 264.7 cells, mouse liver tissue

Background Information

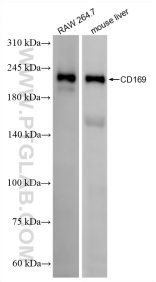
CD169, also known as sheep erythrocyte receptor (SER), Sialoadhesin (Sn) or Siglec-1, is a sialic acid-binding immunoglobulin-like lectin that belongs to the SIGLEC family of the Ig superfamily (PMID: 3783087; 11133773). CD169 is a single-pass transmembrane protein containing a long extracellular domain, 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 α(2,3)-linkages. It is involved in immune regulation, pathogen recognition, and cell-cell interactions.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
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

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.