For Research Use Only

Anti-Human CD169 Rabbit Recombinant Antibody

Catalog Number:98644-1-RR

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
98644-1-RR

Concentration:
100ug, 1000 μg/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_023068

GeneID (NCBI):
6614

UNIPROT ID:
Q9BZZ2

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

Calculated MW:
183 kDa

Purification Method:
Protein A purification

CloneNo.:
251732D3

Recommended Dilutions:
FC: 0.25 ug per 10^6 cells in a 100 µl suspension

Applications

Tested Applications:
FC

Species Specificity:
human

Positive Controls:

FC : IFN alpha treated human PBMCs,

Background Information

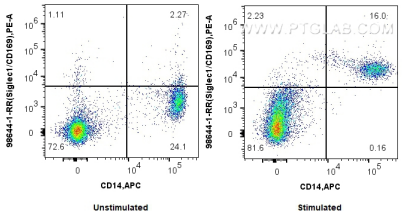
CD169, also known as sheep erythrocyte receptor (SER), Sialoadhesin (Sn) or Siglec-1, is a sialic acid-binding immunoglobulin-like lectin that belongs to the SIGLEC family of the Ig superfamily (PMID: 3783087; 11133773). CD169 is a single-pass transmembrane protein containing a long extracellular domain, 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

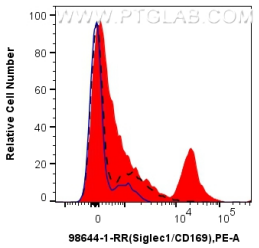
Storage:
Store at 2 - 8°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

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



1x10^6 unstimulated or IFN alpha treated human PBMCs were surface stained with 0.25 ug Anti-Human CD169 Rabbit RecAb (98644-1-RR, Clone:251732D3) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were then stained with APC Anti-Human CD14. Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10^6 IFN alpha treated human PBMCs were surface stained with 0.25 ug Anti-Human CD169 Rabbit RecAb (98644-1-RR, Clone:251732D3) (red), or Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). 1x10^6 unstimulated human PBMCs were surface stained with 0.25 ug Anti-Human CD169 Rabbit RecAb (98644-1-RR, Clone:251732D3)(black) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not