

For Research Use Only

Anti-Human CD169 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98644-1-PBS



Basic Information

Catalog Number:

98644-1-PBS

Size:

1mg, 3 mg/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

Applications

Tested Applications:

FC

Species Specificity:

human

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.

Storage Buffer:

PBS only, pH7.3

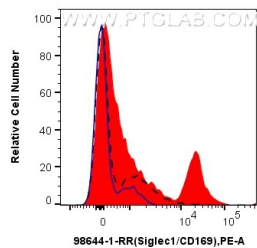
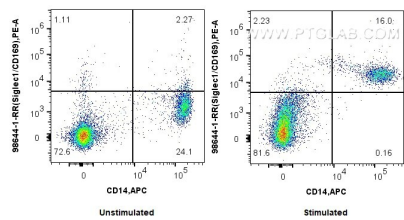
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Selected Validation Data



1x10⁶ 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. This data was developed using the same antibody clone with 98644-1-PBS in a different storage buffer formulation.

1x10⁶ 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). 1x10⁶ 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

