

For Research Use Only

Anti-Mouse CD49b Rabbit Recombinant Antibody

Catalog Number: 98766-2-RR



Basic Information

Catalog Number:

98766-2-RR

Size:

100ug , 1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG10475

GenBank Accession Number:

GeneID (NCBI):

16398

Full Name:

integrin alpha 2

Purification Method:

Protein A purification

CloneNo.:

252736A5

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

FC

Species Specificity:

mouse

Positive Controls:

FC : mouse splenocytes,

Background Information

Integrins are a large family of α/β transmembrane receptors playing a key role in cell-cell interactions and cell adhesion to the extracellular matrix (PMID: 30374344). CD49b, also known as integrin alpha-2, is a 150 kDa transmembrane glycoprotein expressed on a wide variety of cell types including platelets, megakaryocytes, NK cells, NKT cells, neutrophils, and long-term activated T cells (PMID: 18802064; 2415516). Integrin alpha-2/beta-1 (also known as VLA-2) is a receptor for laminin, collagen, collagen C-propeptides, fibronectin and E-cadherin (PMID: 2557634). It is responsible for adhesion of platelets and other cells to collagens, modulation of collagen and collagenase gene expression, force generation and organization of newly synthesized extracellular matrix.

Storage

Storage:

Store at 2 - 8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

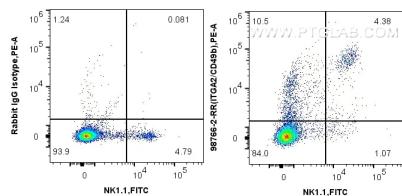
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

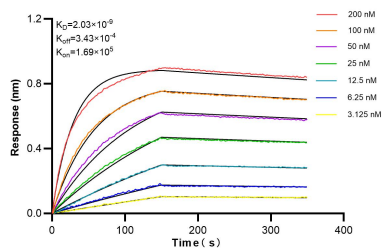
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with 0.25 ug Anti-Mouse CD49b Rabbit RecAb (98766-2-RR, Clone: 252736A5), and PE-Conjugated Goat Anti-Rabbit IgG(H+L) or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9). Cells were then stained with FITC Plus Anti-Mouse NK1.1 (CD161) (PK136) (FITC-65138, Clone: PK136). Cells were not fixed.



Biolayer interferometry (BLI) kinetic assays of 98766-2-RR against Mouse CD49b were performed. The affinity constant is 2.03 nM.