

For Research Use Only

FITC Anti-Mouse CD49b (DX5)

Catalog Number: FITC-65065



Basic Information

Catalog Number: FITC-65065	GenBank Accession Number: BC065139	Purification Method: Affinity purification
Size: 500ug, 0.5 mg/ml	GeneID (NCBI): 16398	CloneNo.: DX5
Source: Rat	UNIPROT ID: Q62469	Excitation/Emission maxima wavelengths: 498 nm / 526 nm
Isotype: IgM, kappa	Full Name: integrin alpha 2	

Applications

Tested Applications:
FC

Species Specificity:
Mouse

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 CLG gene expression, force generation and organization of newly synthesized extracellular matrix.

Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 0.1% sodium azide.

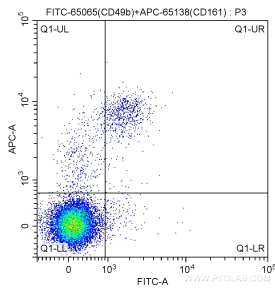
For technical support and original validation data for this product please contact:

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

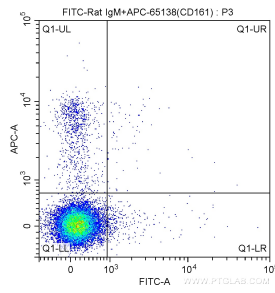
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



1X10⁶ C57BL/6 mouse splenocytes were surface stained with APC Anti-Mouse NK1.1 (CD161) (APC-65138, Clone: PK136) and 1.00 ug FITC Anti-Mouse CD49b (FITC-65065, Clone: DX5). Cells were not fixed.



1X10⁶ C57BL/6 mouse splenocytes were surface stained with APC Anti-Mouse NK1.1 (CD161) (APC-65138, Clone: PK136) and 1.00 ug FITC-Rat IgM isotype control antibody. Cells were not fixed.