

For Research Use Only

APC Anti-Mouse CD49b (DX5)

Catalog Number: APC-65065 **1 Publications**



Basic Information

Catalog Number: APC-65065	GenBank Accession Number: BC065139	Purification Method: Affinity purification
Size: 100ug, 0.1 mg/ml	GeneID (NCBI): 16398	CloneNo.: DX5
Source: Rat	UNIPROT ID: Q62469	Excitation/Emission maxima wavelengths: 650 nm / 660 nm
Isotype: IgM, kappa	Full Name: integrin alpha 2	

Applications

Tested Applications:
FC

Cited 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Yuan Li	36251580	Liver Int	FC

Storage

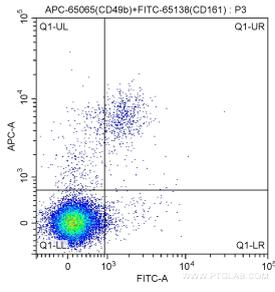
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 0.1% sodium azide and a stabilizer.

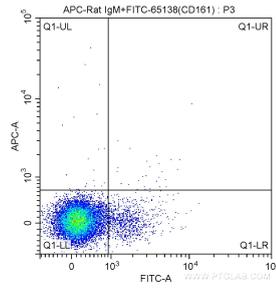
For technical support and original validation data for this product please contact:
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Selected Validation Data



1X10⁶ C57BL/6 mouse splenocytes were surface stained with FITC Anti-Mouse NK1.1 (CD161) (FITC-65138, Clone: PK136) and 0.20 ug APC Anti-Mouse CD49b (APC-65065, Clone: DX5). Cells were not fixed.



1X10⁶ C57BL/6 mouse splenocytes were surface stained with FITC Anti-Mouse NK1.1 (CD161) (FITC-65138, Clone: PK136) and 0.20 ug APC-Rat IgM isotype control antibody. Cells were not fixed.