

For Research Use Only

Anti-Mouse CD49b (DX5)

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



Basic Information

Catalog Number: 65065-1-Ig	GenBank Accession Number: BC065139	Purification Method: Affinity purification
Size: 500ug, 0.5 mg/ml	GeneID (NCBI): 16398	CloneNo.: DX5
Source: Rat	Full Name: integrin alpha 2	
Isotype: IgM, kappa		

Applications

Tested Applications:
FC

Cited Applications:
FC

Species Specificity:
Mouse

Cited Species:
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 collagenase gene expression, force generation and organization of newly synthesized extracellular matrix.

Notable Publications

Author	Pubmed ID	Journal	Application
Wenxuan Xu	36134371	Nanoscale Adv	FC

Storage

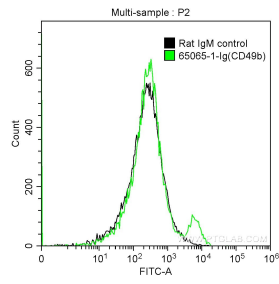
Storage:
Store at 2-8°C. Stable for one year after shipment.

Storage Buffer:
Borate buffered saline, pH 8.2.

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

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ mouse splenocytes were surface stained with 0.5 ug Anti-Mouse CD49b (65065-1-Ig, Clone: DX5) and FITC anti-rat IgM Antibody at dilution 1:50 (green), or stained with 0.5 ug rat IgM isotype control and FITC anti-rat IgM Antibody at dilution 1:50 (black). Cells were not fixed.