

For Research Use Only

# Anti-Mouse CD49b (DX5)

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



## Basic Information

<b>Catalog Number:</b> 65065-1-Ig	<b>GenBank Accession Number:</b> BC065139	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 500ug, 0.5 mg/ml	<b>GeneID (NCBI):</b> 16398	<b>CloneNo.:</b> DX5
<b>Source:</b> Rat	<b>UNIPROT ID:</b> Q62469	
<b>Isotype:</b> IgM, kappa	<b>Full Name:</b> integrin alpha 2	

## Applications

**Tested Applications:**  
FC

**Cited Applications:**  
FC

**Species Specificity:**  
Mouse

**Cited Species:**  
mouse

## Background Information

Integrins are a large family of  $\alpha/\beta$  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

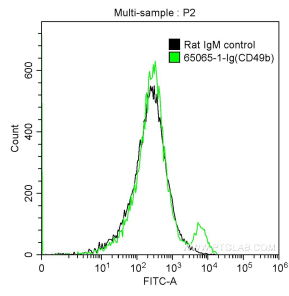
**Storage:**  
Store at 2-8°C. Stable for one year after shipment.

**Storage Buffer:**  
Borate buffered saline, pH 8.2.

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## Selected Validation Data



1X10<sup>6</sup> 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.