

For Research Use Only

# PE Anti-Mouse CD49b (DX5)

Catalog Number: PE-65065



## Basic Information

Catalog Number:

PE-65065

Size:

100ug, 0.1 mg/ml

Source:

Rat

Isotype:

IgM, kappa

GenBank Accession Number:

BC065139

GeneID (NCBI):

16398

UNIPROT ID:

Q62469

Full Name:

integrin alpha 2

Purification Method:

Affinity purification

CloneNo.:

DX5

Excitation/Emission maxima wavelengths:

496 nm, 565 nm / 578 nm

## Applications

Tested Applications:

FC

Species Specificity:

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.

## 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.

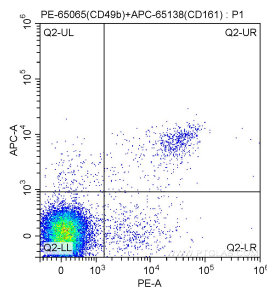
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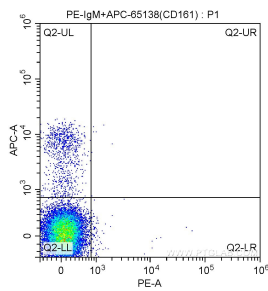
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



1X10<sup>6</sup> C57BL/6 mouse splenocytes were surface stained with APC Anti-Mouse NK1.1 (CD161) (APC-65138, Clone: PK136) and 0.20 ug PE Anti-Mouse CD49b (PE-65065, Clone: DX5). Cells were not fixed.



1X10<sup>6</sup> C57BL/6 mouse splenocytes were surface stained with APC Anti-Mouse NK1.1 (CD161) (APC-65138, Clone: PK136) and 0.20 ug PE-Rat IgM isotype control antibody. Cells were not fixed.