

For Research Use Only

# CoraLite® Plus 647 Anti-Mouse CD49b (DX5)

Catalog Number: CL647-65065



## Basic Information

Catalog Number:

CL647-65065

Concentration:

100ug, 0.5 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:

654 nm / 674 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 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 and 0.5% BSA, pH 7.3.

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

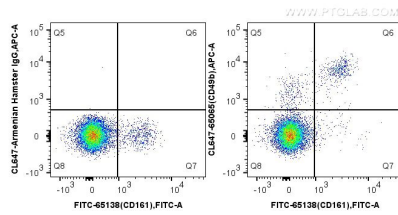
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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

## Selected Validation Data



1X10<sup>6</sup> mouse splenocytes were surface co-stained with FITC Anti-Mouse NK1.1 (CD161) (PK136) and 0.4 ug CoraLite® Plus 647-conjugated Anti-Mouse CD49b (CL647-65065, Clone: DX5) or 0.4 ug CoraLite® Plus 647-conjugated Rat IgM isotype control. Cells were not fixed.