

For Research Use Only

# CoraLite® Plus 488 Anti-Mouse CD49b (DX5)



Catalog Number: **CL488-65065**

## Basic Information

<b>Catalog Number:</b> CL488-65065	<b>GenBank Accession Number:</b> BC065139	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100tests , 5 µl/test	<b>GeneID (NCBI):</b> 16398	<b>CloneNo.:</b> DX5
<b>Source:</b> Rat	<b>Full Name:</b> integrin alpha 2	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Isotype:</b> IgM		

## 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

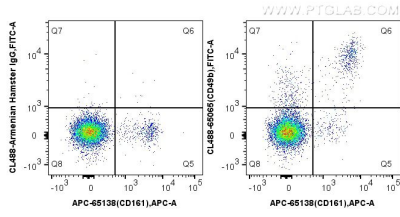
**Storage:**  
Store at 2-8°C. Avoid exposure to light.

**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: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



1X10<sup>6</sup> mouse splenocytes were surface stained with APC Anti-Mouse NK1.1 (CD161) (PK136) (APC-65138, Clone: PK136) and CoraLite® Plus 488-conjugated Rat IgM isotype control antibody (left) or 5.00 ul CoraLite® Plus 488-conjugated Anti-Mouse CD49b (CL488-65065, Clone: DX5) (right). Cells were not fixed.