

For Research Use Only

# CoraLite® Plus 405 Anti-Human CD49b (AK7)



Catalog Number: CL405-65252

## Basic Information

Catalog Number:

CL405-65252

Size:

100 tests, 5 µl/test

Source:

Mouse

Isotype:

IgG1, kappa

GenBank Accession Number:

NM\_002203

GeneID (NCBI):

3673

Full Name:

integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor)

Calculated MW:

126 kDa

Purification Method:

Affinity purification

CloneNo.:

AK7

Excitation/Emission maxima wavelengths:

399 nm / 422 nm

## Applications

Tested Applications:

FC

Species Specificity:

Human

## Background Information

CD49b, also known as alpha2 integrin, is a type I transmembrane glycoprotein which forms an adhesion molecule VLA-2 with beta1 integrin. CD49b is a receptor for many (extracellular) matrix and non-matrix molecules (PMID: 23847623). CD49b is expressed on numerous cell types including platelets, activated T cells, B cells, and monocytes. CD49b activation skews NK cell effector function to a phenotype that exhibits elevated IFN- $\gamma$  production with a concomitant inhibition of motility and cytolytic function (PMID: 32971468, 32762681). The Anti-Human CD49b antibody, clone AK7, is derived from Human platelets.

## Storage

Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA.

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

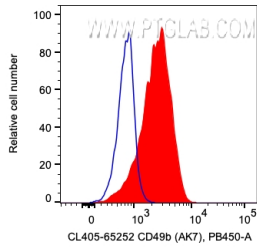
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



1X10<sup>6</sup> human PBMCs were surface stained with 5 ul CoraLite® Plus 405 Anti-Human CD49b (CL405-65252, Clone: AK7) or unstained. Cells were not fixed. Monocytes were gated.