

For Research Use Only

CoraLite® Plus 555 Anti-Human CD49b (AK7)

Catalog Number: CL555-65252



Basic Information

Catalog Number:

CL555-65252

Concentration:

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:

554 nm / 570 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- γ 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, pH7.3

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

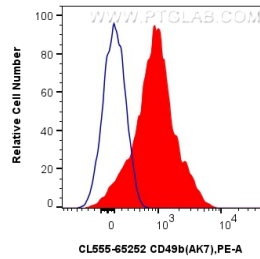
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ human PBMCs were surface stained with 5 ul CoraLite® Plus 555 Anti-Human CD49b (AK7) (CL555-65252, Clone: AK7) (red), or CoraLite® 555 Mouse IgG1 Isotype Control (MOPC-21) (CL555-65124, Clone: MOPC-21) (blue). Cells were not fixed.