

For Research Use Only

Anti-Human CD49b (AK7) Mouse IgG2a Recombinant Antibody

Catalog Number: 65583-1-MR



Basic Information

Catalog Number:

65583-1-MR

Size:

100ug, 1000 µg/ml

Source:

Mouse

Isotype:

IgG2a

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:

Protein A purification

CloneNo.:

AK7

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. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide.

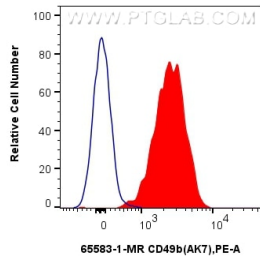
For technical support and original validation data for this product please contact:

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Selected Validation Data



1x10⁶ human peripheral blood platelets were surface stained with 0.25 ug Anti-Human CD49b (AK7) Mouse IgG2a Recombinant Antibody (65583-1-MR, Clone: AK7) (red) or Mouse IgG2a Isotype Control (C1.18.4) (65208-1-Ig, Clone: C1.18.4) (blue), and PE-conjugated Goat Anti-Mouse IgG. Cells were not fixed.