

For Research Use Only

CoraLite® Plus 555 Anti-Human CD49b (AK7) Mouse IgG2a Recombinant Antibody

Catalog Number: CL555-65583



Basic Information

Catalog Number:

CL555-65583

Size:

100 tests, 5 ul/test

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

NM_002203

GeneID (NCBI):

3673

UNIPROT ID:

P17301

Full Name:

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

Calculated MW:

126 kDa

Purification Method:

Protein A purification

CloneNo.:

AK7

Recommended Dilutions:

FC: 5 ul per 10⁶ cells in a 100 µl suspension

Excitation/Emission maximum wavelengths:

554 nm / 570 nm

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human peripheral blood platelets,

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

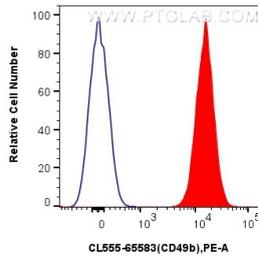
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

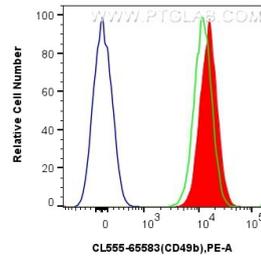
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1x10⁶ human peripheral blood platelets were surface stained with 5 ul CoraLite® Plus 555 Anti-Human CD49b (AK7) Mouse IgG2a RecAb (CL555-65583, Clone:AK7) (red) or 5 ul CoraLite® Plus 555 Mouse IgG2a Isotype Control (C1.18.4) (CL555-65208, Clone: C1.18.4) (blue). Cells were not fixed.



1x10⁶ human peripheral blood platelets were surface stained with 5 ul CoraLite® Plus 555 Anti-Human CD49b (AK7) Mouse IgG2a RecAb (CL555-65583, Clone:AK7)(red), or 5 ul CoraLite® Plus 555 Anti-Human CD49b (AK7) (CL555-65252, Clone: AK7) (green), or 5 ul CoraLite® Plus 555 Mouse IgG2a Isotype Control (C1.18.4) (CL555-65208, Clone: C1.18.4) (blue). Cells were not fixed.