

For Research Use Only

CoraLite® Plus 594 Anti-Human CD49b (AK7)

Catalog Number: CL594-65252



Basic Information

Catalog Number:

CL594-65252

Size:

100 tests, 5 ul/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:

N/A

CloneNo.:

AK7

Excitation/Emission maxima wavelengths:

594 nm / 615 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

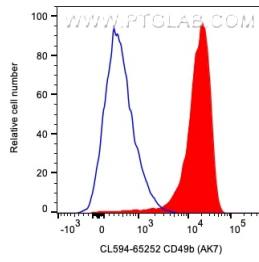
For technical support and original validation data for this product please contact:

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

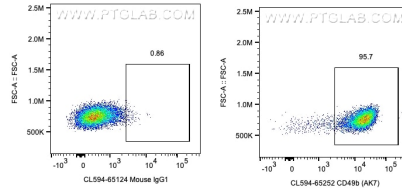
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1x10⁶ human PBMCs were surface stained with 5 ul CoraLite® Plus 594 Anti-Human CD49b (CL594-65252, Clone:AK7) or CoraLite® 594 Mouse IgG1 Isotype Control (CL594-65124, Clone: MOPC-21). Cells were treated with FC Receptor Block prior to staining. Cells were not fixed. Monocytes were gated.



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