

For Research Use Only



CoraLite®594 Anti-Human Integrin alpha-5/CD49e Rabbit Recombinant Antibody

Catalog Number: **CL594-98171**

Basic Information

Catalog Number:

CL594-98171

Size:

100tests , 5 ul/test

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC008786

GeneID (NCBI):

3678

UNIPROT ID:

P08648

Full Name:

integrin, alpha 5 (fibronectin receptor, alpha polypeptide)

Calculated MW:

115 kDa

Purification Method:

Protein A purification

CloneNo.:

241685D4

Recommended Dilutions:

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

Excitation/Emission maximum wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human PBMCs,

Background Information

Integrins are cell adhesion receptors that are heterodimers composed of non-covalently associated alpha and beta subunits. Integrin alpha-5 (ITGA5, also known as CD49e), belongs to the integrin alpha chain family, primarily binds to Integrin beta 1 (ITGB1) to form an α5β1 heterodimer (PMID: 33711961). Integrin α5β1 is a specific receptor of fibronectin through its arginine-glycine-aspartic acid (RGD) binding site (PMID: 19608542). Integrin α5β1 plays roles in cell adhesion, migration and matrix formation, and has emerged as an essential mediator in many human carcinomas (PMID: 33408483).

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

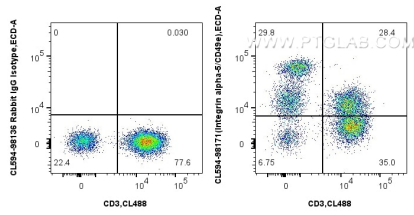
For technical support and original validation data for this product please contact:

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

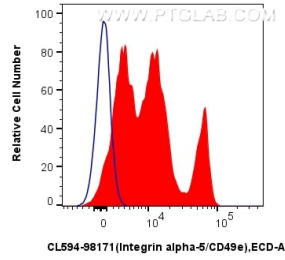
E: proteintech@ptglab.com
W: ptglab.com

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 CoraLite® Plus 488 Anti-Human CD3, and 5 ul CoraLite®594 Anti-Human Integrin alpha-5/CD49e Rabbit RecAb (CL594-98171, Clone: 241685D4) or CoraLite®594 Rabbit IgG Isotype Control Recombinant Antibody (CL594-98136, Clone: 240953C9). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. Lymphocytes were gated.



1x10⁶ human PBMCs were surface stained with 5 ul CoraLite®594 Anti-Human Integrin alpha-5/CD49e Rabbit RecAb (CL594-98171, Clone: 241685D4) (red) or CoraLite®594 Rabbit IgG Isotype Control Recombinant Antibody (CL594-98136, Clone: 240953C9) (blue). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. Lymphocytes were gated.