

For Research Use Only

# FcZero-rAb™ Biotin Anti-Human Integrin alpha-5/CD49e Rabbit Recombinant Antibody

Catalog Number: Biotin-FcA98171



## Basic Information

Catalog Number:

Biotin-FcA98171

Size:

100ug , 500 ug/ml

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: 0.25 ug per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maximum wavelengths:

-

## 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, pH7.3

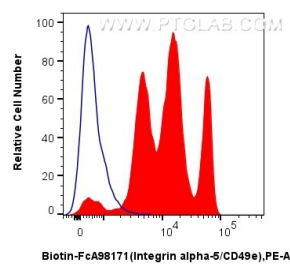
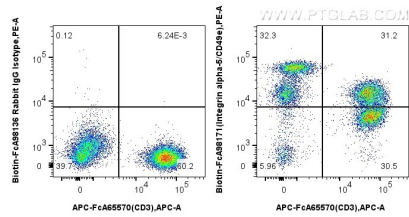
For technical support and original validation data for this product please contact:

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Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Biotin Anti-Human Integrin alpha-5/CD49e Rabbit RecAb (Biotin-FcA98171, Clone:241685D4) and Streptavidin-PE Conjugate (PE-PF00030) or FcZero-rAb™ Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9). Cells were then stained with FcZero-rAb™ APC Anti-Human CD3 (UCHT1) Rabbit IgG Recombinant Antibody (APC-FcA65570,



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Biotin Anti-Human Integrin alpha-5/CD49e Rabbit RecAb (Biotin-FcA98171, Clone:241685D4) (red) and Streptavidin-PE Conjugate (PE-PF00030) or FcZero-rAb™ Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.