

For Research Use Only

# FITC Plus Anti-Human Integrin alpha-5/CD49e Rabbit Recombinant Antibody

Catalog Number: FITC-98171



## Basic Information

<b>Catalog Number:</b> FITC-98171	<b>GenBank Accession Number:</b> BC008786	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 100tests, 5 ul/test	<b>GeneID (NCBI):</b> 3678	<b>CloneNo.:</b> 241685D4
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P08648	<b>Recommended Dilutions:</b> FC: 5 ul per 10 <sup>6</sup> cells in a 100 µl suspension
<b>Isotype:</b> IgG	<b>Full Name:</b> integrin, alpha 5 (fibronectin receptor, alpha polypeptide)	<b>Excitation/Emission maximum wavelengths:</b> 495 nm / 524 nm
	<b>Calculated MW:</b> 115 kDa	

## Applications

<b>Tested Applications:</b> FC	<b>Positive Controls:</b> FC : human PBMCs,
<b>Species Specificity:</b> human	

## 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  $\alpha 5 \beta 1$  heterodimer (PMID: 33711961). Integrin  $\alpha 5 \beta 1$  is a specific receptor of fibronectin through its arginine-glycine-aspartic acid (RGD) binding site (PMID: 19608542). Integrin  $\alpha 5 \beta 1$  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:

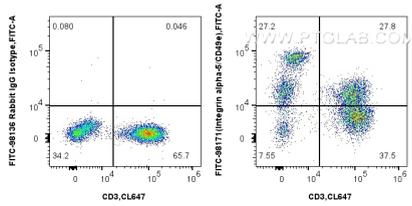
T: 4006900926

E: Proteintech-CN@ptglab.com

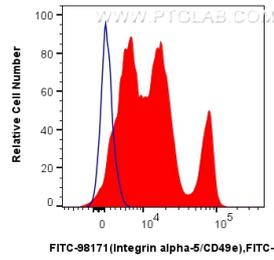
W: ptgcn.com

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

## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with CoraLite® Plus 647 Anti-Human CD3, and 5 ul FITC Plus Anti-Human Integrin alpha-5/CD49e Rabbit RecAb (FITC-98171, Clone: 241685D4) or FITC Plus Rabbit IgG Isotype Control Recombinant Antibody (FITC-98136, Clone: 240953C9). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. Lymphocytes were gated.



1x10<sup>6</sup> human PBMCs were surface stained with 5 ul FITC Plus Anti-Human Integrin alpha-5/CD49e Rabbit RecAb (FITC-98171, Clone: 241685D4) (red) or FITC Plus Rabbit IgG Isotype Control Recombinant Antibody (FITC-98136, Clone: 240953C9) (blue). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. Lymphocytes were gated.