

For Research Use Only

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

Catalog Number: Biotin-FcA98171



Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
Biotin-FcA98171	BC008786	Protein A purification
Concentration:	GenID (NCBI):	CloneNo.:
100ug, 500 ug/ml	3678	241685D4
Source:	UNIPROT ID:	Recommended Dilutions:
Rabbit	P08648	FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype:	Full Name:	Excitation/Emission maxima wavelengths:
IgG	integrin, alpha 5 (fibronectin receptor, alpha polypeptide)	-
	Calculated MW:	
	115 kDa	

Applications

Tested Applications:	Positive Controls:
FC	FC : human PBMCs,
Species Specificity:	
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

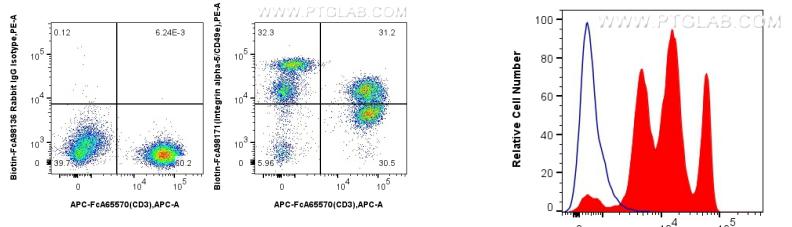
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

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



1x10⁶ 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, Clone: UCHT1). Cells were

1x10⁶ 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.