

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
Size:	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 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).

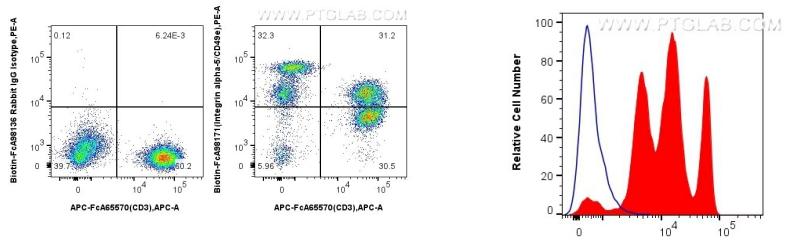
Storage

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:
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 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,



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.