

Anti-Human Integrin alpha-5/CD49e Rabbit Recombinant Antibody

Catalog Number: 98171-1-RR

Basic Information

Catalog Number: 98171-1-RR	GenBank Accession Number: BC008786	Purification Method: Protein A purification
Concentration: 100ug, 1000 µg/ml	GeneID (NCBI): 3678	CloneNo.: 241685D4
Source: Rabbit	UNIPROT ID: P08648	
Isotype: IgG	Full Name: integrin, alpha 5 (fibronectin receptor, alpha polypeptide)	
	Calculated MW: 115 kDa	

Applications

Tested Applications:
FC

Species Specificity:
human

Background Information

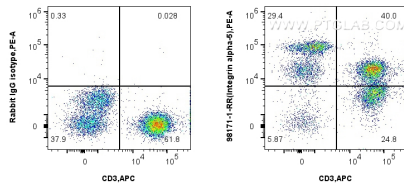
Integrins are cell adhesion receptors that are heterodimers composed of non-covalently associated alpha and beta subunits. Integrin alpha-5 (ITGA5, also known as CD49e), belongs to the integrin alpha chain family, primarily binds to Integrin beta 1 (ITGB1) to form an $\alpha 5 \beta 1$ heterodimer (PMID: 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

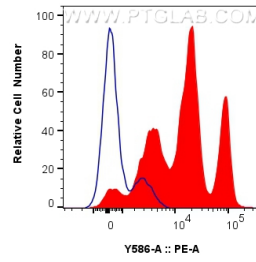
Storage:
Store at 2 - 8°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide, pH 7.3.

Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human Integrin alpha-5/CD49e Rabbit Recombinant Antibody (98171-1-RR, Clone: 241685D4) or 0.25 ug Isotype Control, and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were co-stained with APC Anti-Human CD3 (OKT3). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human Integrin alpha-5/CD49e Rabbit Recombinant Antibody (98171-1-RR, Clone: 241685D4) (red) or 0.25 ug Isotype Control (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.