

For Research Use Only

CoraLite®594 Anti-Human Integrin alpha-5/CD49e Rabbit Recombinant Antibody

Catalog Number: CL594-98171



Basic Information

Catalog Number: CL594-98171	GenBank Accession Number: BC008786	Purification Method: Protein A purification
Concentration: 100tests, 5 ul/test	GeneID (NCBI): 3678	CloneNo.: 241685D4
Source: Rabbit	UNIPROT ID: P08648	Recommended Dilutions: FC: 5 ul per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: integrin, alpha 5 (fibronectin receptor, alpha polypeptide)	Excitation/Emission maximum wavelengths: 588 nm / 604 nm
	Calculated MW: 115 kDa	

Applications

Tested Applications: FC	Positive Controls: 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 and 0.5% BSA, pH7.3

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

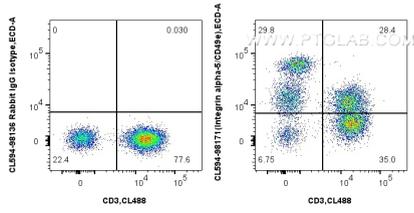
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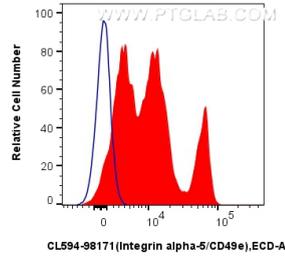
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Selected Validation Data



1x10⁶ human PBMCs were surface stained with CoraLite® Plus 488 Anti-Human CD3, and 5 ul CoraLite®594 Anti-Human Integrin alpha-5/CD49e Rabbit RecAb (CL594-98171, Clone: 241685D4) or CoraLite®594 Rabbit IgG Isotype Control Recombinant Antibody (CL594-98136, Clone: 240953C9). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. Lymphocytes were gated.



1x10⁶ human PBMCs were surface stained with 5 ul CoraLite®594 Anti-Human Integrin alpha-5/CD49e Rabbit RecAb (CL594-98171, Clone: 241685D4) (red) or CoraLite®594 Rabbit IgG Isotype Control Recombinant Antibody (CL594-98136, Clone: 240953C9) (blue). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. Lymphocytes were gated.