

For Research Use Only

FcZero-rAb™ CoraLite®Plus 488 Anti-Human Integrin alpha-5/CD49e Rabbit Recombinant Antibody

Catalog Number:**CL488-FcA98171**



Basic Information

Catalog Number:	CL488-FcA98171	GenBank Accession Number:	BC008786	Purification Method:	Protein A purification
Concentration:	100 tests, 5 μ l/test	GenID (NCBI):	3678	CloneNo.:	241685D4
Source:	Rabbit	UNIPROT ID:	P08648	Recommended Dilutions:	FC: 5 μ l per 10^6 cells in a 100 μ l suspension
Isotype:	IgG	Full Name:	integrin, alpha 5 (fibronectin receptor, alpha polypeptide)	Excitation/Emission maxima wavelengths:	491 nm / 516 nm
		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).

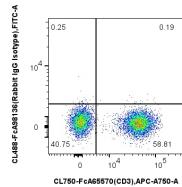
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

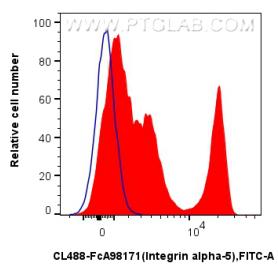
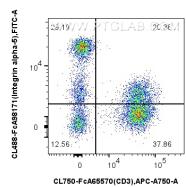
For technical support and original validation data for this product please contact:
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Selected Validation Data



1×10^6 human PBMCs were surface stained with FcZero-rAb™ Coralite® Plus 750 Anti-Human CD3, and 5 μ l CoraLite®488 Anti-Human Integrin alpha-5/CD49e Rabbit RecAb (CL488-FcA98171, Clone: 241685D4) or 5 μ l FcZero-rAb™ Coralite® Plus 488 Rabbit IgG Isotype Control Recombinant Antibody (CL488-FcA98136, Clone: 240953C9). Cells were not fixed.



1×10^6 human PBMCs were surface stained with 5 μ l CoraLite®488 Anti-Human Integrin alpha-5/CD49e Rabbit RecAb (CL488-FcA98171, Clone: 241685D4) (red) or 5 μ l FcZero-rAb™ Coralite® Plus 488 Rabbit IgG Isotype Control Recombinant Antibody (CL488-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.