

For Research Use Only

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 |
| Size: 100ug, 500 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.

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

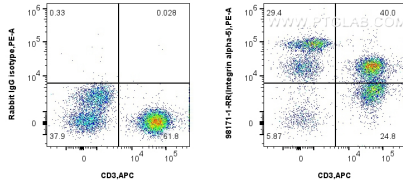
T: 4006900926

E: Proteintech-CN@ptglab.com

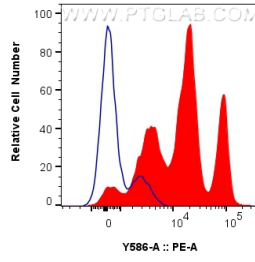
W: ptgcn.com

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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.