

For Research Use Only

Anti-Human Integrin alpha V Rabbit Recombinant Antibody

Catalog Number: 98996-1-RR



Basic Information

Catalog Number: 98996-1-RR	GenBank Accession Number: GeneID (NCBI): 3685	Purification Method: Protein A purification
Concentration: 100ug, 1000 µg/ml	UNIPROT ID: P06756	CloneNo.: 261824A1
Source: Rabbit	Full Name: integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51)	Recommended Dilutions: FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG		

Applications

Tested Applications: FC	Positive Controls: FC : HT-1080 cells, human peripheral blood platelets, MCF-7 cells
Species Specificity: human	

Background Information

Integrins are cell adhesion receptors that are heterodimers composed of non-covalently associated alpha and beta subunits. Integrin alpha V, also known as CD51, is a type I transmembrane glycoprotein composed of an extracellular domain, a transmembrane region and cytoplasmic domain (PMID: 2430295; 1690718). It can form heterodimers with one of the five beta integrin subunits (beta 1, 3, 5, 6, 8) that recognize ligands containing the sequence Arg-Gly-Asp, such as vitronectin, fibronectin, and osteopontin (PMID: 37087799). Integrin alpha V mainly plays a role in extracellular matrix-mediated cell adhesion and migration, differentiation, wound healing, inflammation, tumorigenesis, proliferation, angiogenesis, and metastasis.

Storage

Storage:
Store at 2 - 8°C. 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:

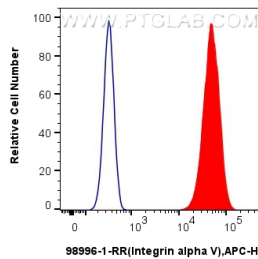
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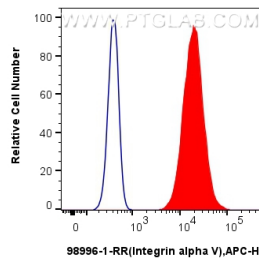
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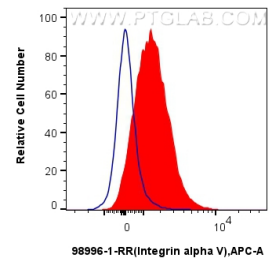
Selected Validation Data



1x10⁶ HT-1080 cells were surface stained with 0.25 ug Anti-Human Integrin alpha V Rabbit RecAb (98996-1-RR, Clone: 261824A1) (red) or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and CoraLite647-conjugated F(ab')₂ Fragment Donkey Anti-Rabbit IgG (H+L) (SA00014-7). Cells were not fixed.



1x10⁶ MCF-7 cells were surface stained with 0.25 ug Anti-Human Integrin alpha V Rabbit RecAb (98996-1-RR, Clone: 261824A1) (red) or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and CoraLite647-conjugated F(ab')₂ Fragment Donkey Anti-Rabbit IgG (H+L) (SA00014-7). Cells were not fixed.



1x10⁶ human peripheral blood platelets were surface stained with 0.25 ug Anti-Human Integrin alpha V Rabbit RecAb (98996-1-RR, Clone: 261824A1) (red) or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and CoraLite®647-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed.