

For Research Use Only

Anti-Human Integrin alpha V Rabbit Recombinant Antibody

Catalog Number: 98996-1-RR



Basic Information

Catalog Number:

98996-1-RR

Size:

100ug, 1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

GeneID (NCBI):

3685

UNIPROT ID:

P06756

Full Name:

integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51)

Purification Method:

Protein A purification

CloneNo.:

261824A1

Recommended Dilutions:

FC: 0.25 µg per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : HT-1080 cells, human peripheral blood platelets, MCF-7 cells

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

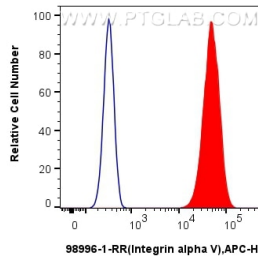
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

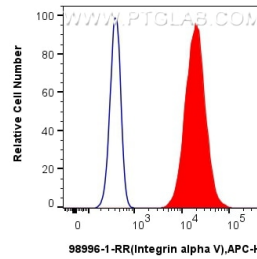
E: proteintech@ptglab.com
W: ptglab.com

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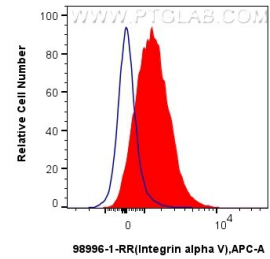
Selected Validation Data



1×10^6 HT-1080 cells were surface stained with 0.25 μ g Anti-Human Integrin alpha V Rabbit RecAb (98996-1-RR, Clone: 261824A1) (red) or 0.25 μ g 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.



1×10^6 MCF-7 cells were surface stained with 0.25 μ g Anti-Human Integrin alpha V Rabbit RecAb (98996-1-RR, Clone: 261824A1) (red) or 0.25 μ g 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.



1×10^6 human peripheral blood platelets were surface stained with 0.25 μ g Anti-Human Integrin alpha V Rabbit RecAb (98996-1-RR, Clone: 261824A1) (red) or 0.25 μ g 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.