

For Research Use Only

APC Anti-Human Integrin alpha-9 Rabbit Recombinant Antibody

Catalog Number: APC-98914



Basic Information

Catalog Number:

APC-98914

Concentration:

100 tests, 5 µl/test

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG6174

GenBank Accession Number:

NM_002207.2

GeneID (NCBI):

3680

UNIPROT ID:

Q13797

Full Name:

integrin, alpha 9

Calculated MW:

114 kDa

Purification Method:

Protein A purification

CloneNo.:

260170G5

Recommended Dilutions:

FC: 5 µl per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

650 nm / 660 nm

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human peripheral blood leukocytes,

Background Information

Integrins are cell adhesion receptors that are heterodimers composed of non-covalently associated α and β subunits (PMID: 9779984). Integrin alpha 9 contains a large N-terminal extracellular domain with 7 conserved repeats of putative metal-binding domains, a transmembrane segment, and a short C-terminal cytoplasmic tail (PMID: 8245132). Integrin alpha 9 interacts with integrin beta 1 generating $\alpha 9 \beta 1$ heterodimer, which is expressed in many cell types including epithelial cells, neutrophils, hepatocytes, muscle and endothelial cells (PMID: 21975548). It binds to a diversity of ligands in the extracellular matrix, like the α -disintegrin and metalloprotease (ADAM) family, THBS1, EMILIN1, VEGF, tenascin-C, osteopontin, fibronectin, and VCAM1 (PMID: 21975548; 33790909). Integrin $\alpha 9 \beta 1$ has been implicated in diverse biological functions including angiogenesis, lymphangiogenesis, lymphatic valve morphogenesis, granulopoiesis and tumorigenesis (PMID: 20179422).

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:

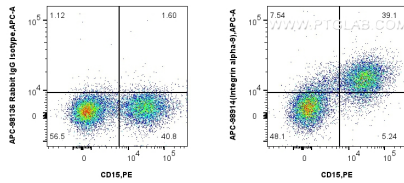
T: 4006900926

E: Proteintech-CN@ptglab.com

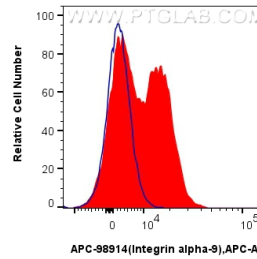
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Selected Validation Data



1x10⁶ human peripheral blood leukocytes were surface stained with PE Anti-Human CD15, and 5 ul APC Anti-Human Integrin alpha-9 Rabbit RecAb (APC-98914, Clone: 260170G5) or APC Rabbit IgG Isotype Control Recombinant Antibody (APC-98136, Clone: 240953C9). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10⁶ human peripheral blood leukocytes were surface stained with 5 ul APC Anti-Human Integrin alpha-9 Rabbit RecAb (APC-98914, Clone: 260170G5) (red) or APC Rabbit IgG Isotype Control Recombinant Antibody (APC-98136, Clone: 240953C9) (blue). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.