

For Research Use Only

Anti-Human Integrin alpha-9 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98914-1-PBS



Basic Information

Catalog Number: 98914-1-PBS	GenBank Accession Number: NM_002207.2	Purification Method: Protein A purification
Concentration: 1mg, 3 mg/ml	GeneID (NCBI): 3680	CloneNo.: 260170G5
Source: Rabbit	UNIPROT ID: Q13797	
Isotype: IgG	Full Name: integrin, alpha 9	
Immunogen Catalog Number: EG6174	Calculated MW: 114 kDa	

Applications

Tested Applications:
FC

Species Specificity:
human

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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

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

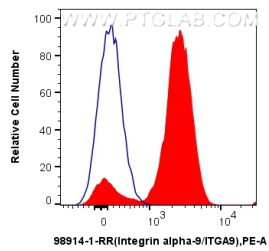
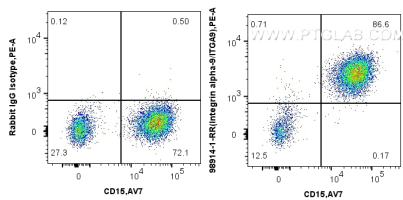
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Selected Validation Data



1x10⁶ human peripheral blood leukocytes were surface stained with 0.25 ug Anti-Human Integrin alpha-9 Rabbit RecAb (98914-1-RR, Clone: 260170G5) or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were then stained with FcZero-rAb® APC-Cyanine7 Anti-Human CD15 Rabbit Recombinant Antibody (AY7-FcA98616, Clone: 252342A1). Cells were incubated with



1x10⁶ human peripheral blood leukocytes were surface stained with 0.25 ug Anti-Human Integrin alpha-9 Rabbit RecAb (98914-1-RR, Clone: 260170G5) (red) or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. This data was developed using the same antibody clone with 98914-1-PBS in a

