

For Research Use Only

Anti-Human CD13 Rabbit Recombinant Antibody

Catalog Number: 98577-1-RR



Basic Information

Catalog Number: 98577-1-RR	GenBank Accession Number: BC058928	Purification Method: Protein A purification
Concentration: 100ug, 1000 µg/ml	GeneID (NCBI): 290	CloneNo.: 251501H7
Source: Rabbit	ENSEMBL Gene ID: ENSG00000166825	Recommended Dilutions: FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	UNIPROT ID: P15144	
Immunogen Catalog Number: EG3748	Full Name: alanyl (membrane) aminopeptidase	
	Calculated MW: 110 kDa	

Applications

Tested Applications: FC	Positive Controls: FC : human peripheral blood leukocytes,
Species Specificity: human	

Background Information

CD13, also named as APN, ANPEP (aminopeptidase N) or PEPN, is belongs to the peptidase M1 family. CD13 is a heavily glycosylated, ~150-240 kDa, type-II membrane protein expressed by most cells of myeloid origin including monocytes, macrophages, granulocytes, and their hematopoietic precursors. It is also abundantly expressed in the brush border of epithelial cells from renal proximal tubules and small intestine, in prostatic epithelial cells, in bile duct canaliculi, in mast cells, and, in some cases, in fibroblasts and smooth muscle cells. CD13 is a multifunctional protein and plays varying roles in cell migration, cell proliferation, cell differentiation and so on. CD13 participates in angiogenesis generating and modulating angiogenic signals, and can be a marker of angiogenic vessels. CD13 is also a pan-myeloid marker, present on mature granulocytes and monocytes. (PMID: 8805662, 10098327, 18603472, 18097955, 17897790, 17888402, 21339174)

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:

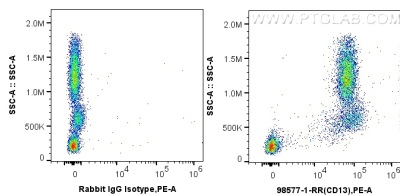
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E: Proteintech-CN@ptglab.com

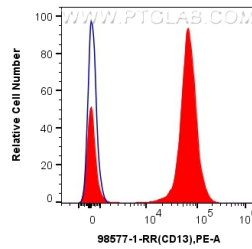
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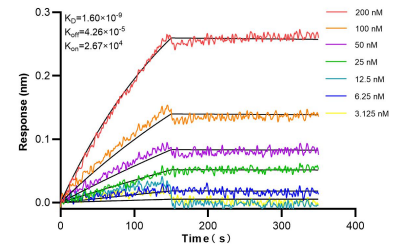
Selected Validation Data



1x10⁶ human peripheral blood leukocytes were surface stained with 0.25 ug Anti-Human CD13 Rabbit RecAb (98577-1-RR, Clone: 251501H7) or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10⁶ human peripheral blood leukocytes were surface stained with 0.25 ug Anti-Human CD13 Rabbit RecAb (98577-1-RR, Clone: 251501H7) (red) or 0.25 ug Rabbit IgG Isotype Control RecAb (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.



Biolayer interferometry (BLI) kinetic assays of 98577-1-RR against Human CD13 were performed. The affinity constant is 1.60 nM.