

For Research Use Only

Anti-Human CD13 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98577-1-PBS



Basic Information

Catalog Number:	98577-1-PBS	GenBank Accession Number:	BC058928	Purification Method:	Protein A purification
Concentration:	1mg, 3 mg/ml	GeneID (NCBI):	290	CloneNo.:	251501H7
Source:	Rabbit	ENSEMBL Gene ID:	ENSG00000166825		
Isotype:	IgG	UNIPROT ID:	P15144		
Immunogen Catalog Number:	EG3748	Full Name:	alanyl (membrane) aminopeptidase		
		Calculated MW:	110 kDa		

Applications

Tested Applications:
FC

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 -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:

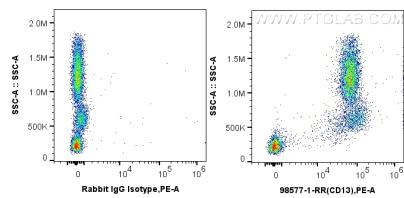
T: 4006900926

E: Proteintech-CN@ptglab.com

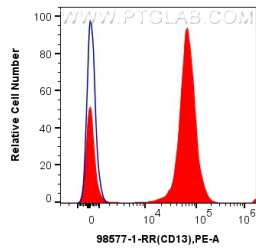
W: ptgcn.com

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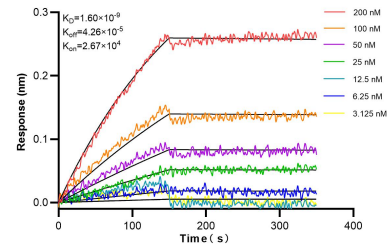
Selected Validation Data



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. This data was developed using the same antibody clone with 98577-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 98577-1-PBS in a different storage buffer formulation.



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