

For Research Use Only

CD13 Recombinant monoclonal antibody

Catalog Number: 85152-5-RR



Basic Information

Catalog Number:	85152-5-RR	GenBank Accession Number:	NM_008486.2	Purification Method:	Protein A purification
Source:	Rabbit	GenID (NCBI):	16790	CloneNo.:	242845B5
Isotype:	IgG	UNIPROT ID:	P97449	Recommended Dilutions:	WB: 1:5000-1:50000 IF/ICC: 1:50-1:500
Immunogen Catalog Number:	EG3592	Full Name:	alanyl (membrane) aminopeptidase	Calculated MW:	110 kDa
				Observed MW:	150 kDa

Applications

Tested Applications:	WB, IF/ICC, ELISA	Positive Controls:	
Species Specificity:	mouse	WB:	mouse kidney tissue, mouse liver tissue

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, 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 -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

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

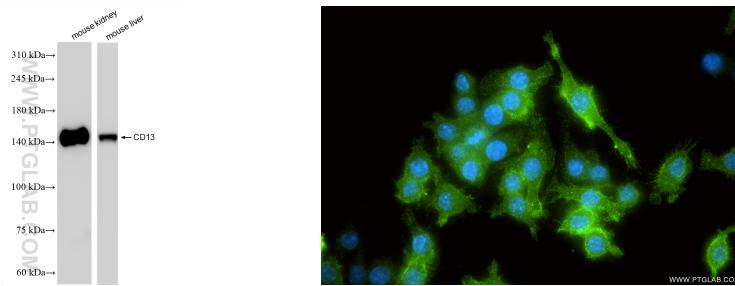
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85152-5-RR (CD13 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.

Immunofluorescent analysis of (4% PFA) fixed RAW 264.7 cells using CD13 antibody (85152-5-RR, Clone: 242845B5) at dilution of 1:200 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).