

For Research Use Only

Mouse CD13 Recombinant monoclonal antibody, PBS Only

Catalog Number: 85152-5-PBS



Basic Information

Catalog Number:	85152-5-PBS	GenBank Accession Number:	NM_008486.2
Size:	100ug, Concentration: 1 mg/ml by Nanodrop;	GenID (NCBI):	16790
Source:	Rabbit	UNIPROT ID:	P97449
Isotype:	IgG	Full Name:	alanyl (membrane) aminopeptidase
Immunogen Catalog Number:	EG3592	Calculated MW:	110 kDa
		Observed MW:	150 kDa

Applications

Tested Applications:
WB, IF/ICC, Indirect ELISA

Species Specificity:
mouse

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)

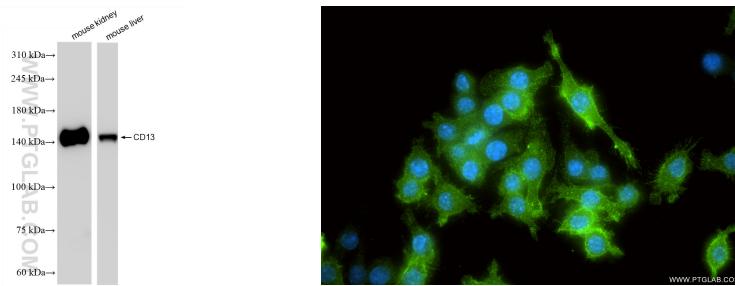
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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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. This data was developed using the same antibody clone with 85152-5-PBS in a different storage buffer formulation.

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). This data was developed using the same antibody clone with 85152-5-PBS in a different storage buffer formulation.