

For Research Use Only

CD39/ENTPD1 Recombinant antibody

Catalog Number: 86327-1-RR



Basic Information

Catalog Number:	86327-1-RR	GenBank Accession Number:	NM_009848.4	Purification Method:	Protein A purification
Size:	100ul, Concentration: 1000 µg/ml by Nanodrop;	GenID (NCBI):	12495	CloneNo.:	250764B5
Source:	Rabbit	UNIPROT ID:	P55772	Recommended Dilutions:	WB: 1:5000-1:50000
Isotype:	IgG	Full Name:	ectonucleoside triphosphate diphosphohydrolase 1		
Immunogen Catalog Number:	EG3483	Calculated MW:	57 kDa		
		Observed MW:	75 kDa		

Applications

Tested Applications:	WB, ELISA	Positive Controls:
Species Specificity:	mouse	WB: mouse heart tissue, mouse lung tissue, mouse spleen tissue

Background Information

ENTPD1 (Ectonucleoside triphosphate diphosphohydrolase 1) is also named CD39, NTPDase 1, and Ecto-ATPase 1 and belongs to the GDA1/CD39 NTPase family. In the nervous system, it can hydrolyze ATP and other nucleotides to regulate purinergic neurotransmission. It is a noncovalent tetrameric protein and detergent inhibition of enzymatic activity is caused by dissociation of ectoapyrase tetramers into monomers (PMID: 9733785). And it is a 70- to 100-kDa protein that is heavily N-glycosylated (PMID: 7930580). This protein has 6 glycosylation sites and 3 isoforms (58 kDa, 59 kDa, and 34 kDa) produced by alternative splicing.

Storage

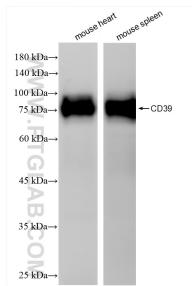
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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 86327-1-RR (CD39 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.