

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
Concentration:	1000 µg/ml	GeneID (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

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

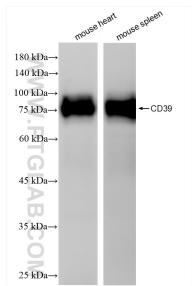
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86327-1-RR (CD39 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.