

For Research Use Only

# CD39/ENTPD1 Recombinant antibody

Catalog Number: 86327-1-RR



## Basic Information

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

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> mouse	<b>WB :</b> mouse heart tissue, mouse lung tissue, mouse spleen tissue

## Background Information

ENTPD1 (Ectonucleoside triphosphate diphosphohydrolase 1) is also named CD39, NTPDase 1, and Ecto-ATPDase 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

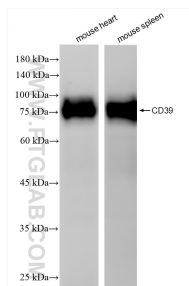
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

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