

For Research Use Only

CoraLite® Plus 488-conjugated CD39/ENTPD1 Monoclonal antibody



Catalog Number: **CL488-60323**

Basic Information

Catalog Number: CL488-60323	GenBank Accession Number: BC047664	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 953	CloneNo.: 2D2H6
Source: Mouse	UNIPROT ID: P49961	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG2a	Full Name: ectonucleoside triphosphate diphosphohydrolase 1	
Immunogen Catalog Number: AG6165	Calculated MW: 58 kDa	
	Observed MW: 54 kDa	

Applications

Tested Applications:
Species Specificity:
human

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. The soluble isoform of CD39(38-478 amino acid) is located in the extracellular part and 60323-1-Ig can recognize the soluble form of CD39 (38-478aa) molecule.

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

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