

CoraLite[®] Plus 488-conjugated CD39/ENTPD1 Monoclonal antibody

Catalog Number: **CL488-60323**

Basic Information

Catalog Number:

CL488-60323

Size:1000 μ g/ml**Source:**

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG6165

GenBank Accession Number:

BC047664

GeneID (NCBI):

953

UNIPROT ID:

P49961

Full Name:ectonucleoside triphosphate
diphosphohydrolase 1**Calculated MW:**

58 kDa

Observed MW:

54 kDa

Purification Method:

Protein A purification

CloneNo.:

2D2H6

**Excitation/Emission maxima
wavelengths:**

493 nm / 522 nm

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

