CD39 Antibody

PRODUCT OVERVIEW

Product Name	CD39, Antibody
Full Product Name	Anti-CD39 (eurestobart biosimilar) mAb
Product Gene Name	anti-CD39 antibody
Product Synonym Names	CD39; SPG64; ATP-DPH; ATPDase; NTPDase-1; ENTPD1; ES 002; ES002; ES-002; ES 002023; ES-002023; ES 002023
Isotype	IgG1
Species Reactivity	Human
Form/Format	Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Preparation and Storage	Store at -20 degree C to -80 degree C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80 degree C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Molecular Weight	57,965 Da
Chromosome Location	Chromosome: 10; NC_000010.10 (97471536..97637023). Location: 10q24
OMIM	601752
3D Structure	ModBase 3D Structure for P49961
Product Categories/Family for anti-CD39 antibody	Biosimilar reference antibodies
Applications Tested/Suitable for anti-CD39 antibody	Flow Cytometry (FC/FACS)
Related Product Information for anti-CD39 antibody	MBS1881192 is an antibody targeting CD39. Also known as Anti-CD39 (eurestobart biosimilar) mAb. Reactive in Human.
Other Notes	Small volumes of anti-CD39 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD39. It may not necessarily be applicable to this product.

NCBI GI #	147905700
NCBI GeneID	953
NCBI Accession #	NP_001091645.1
UniProt Primary Accession #	P49961
UniProt Secondary Accession #	Q5T561; Q5T562; Q86VV3; Q9UQQ9; Q9Y3Q9; A9Z1X8; B4DWB9; B4E1X1; B7Z599; G3XAF6
UniProt Related Accession #	P49961
GenBank Nucleotide #	NM_001098175.1
NCBI Official Full Name	ectonucleoside triphosphate diphosphohydrolase 1 isoform 2

NCBI Official Synonym Full Names	ectonucleoside triphosphate diphosphohydrolase 1
NCBI Official Symbol	ENTPD1
NCBI Official Synonym Symbols	CD39; ATPDase; NTPDase-1
UniProt Protein Name	Ectonucleoside triphosphate diphosphohydrolase 1
UniProt Synonym Protein Names	Ecto-ATP diphosphohydrolase 1; Ecto-ATPDase 1; Ecto-ATPase 1; Ecto-apyrase; Lymphoid cell activation antigen
Protein Family	Ectonucleoside triphosphate diphosphohydrolase
UniProt Gene Name	ENTPD1
UniProt Synonym Gene Names	CD39; NTPDase 1; Ecto-ATPDase 1
UniProt Entry Name	ENTP1_HUMAN
NCBI Protein Information	ectonucleoside triphosphate diphosphohydrolase 1; NTPDase 1; CD39 antigen; ecto-apyrase; ecto-ATPase 1; ecto-ATPDase 1; ecto-ATP diphosphohydrolase 1; lymphoid cell activation antigen
NCBI Summary for CD39	The protein encoded by this gene is a plasma membrane protein that hydrolyzes extracellular ATP and ADP to AMP. Inhibition of this protein's activity may confer anticancer benefits. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2015]
UniProt Comments for CD39	ENTPD1: In the nervous system, could hydrolyze ATP and other nucleotides to regulate purinergic neurotransmission. Could also be implicated in the prevention of platelet aggregation by hydrolyzing platelet-activating ADP to AMP. Hydrolyzes ATP and ADP equally well. Belongs to the GDA1/CD39 NTPase family. 5 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; Nucleotide Metabolism - purine; EC 3.6.1.5; Extracellular matrix; Nucleotide Metabolism - pyrimidine; Membrane protein, multi-pass; Hydrolase Chromosomal Location of Human Ortholog: 10q24 Cellular Component: membrane; integral to plasma membrane; plasma membrane; basal lamina Molecular Function: protein binding; nucleoside-diphosphatase activity; nucleoside-triphosphatase activity; ATP binding Biological Process: platelet activation; G-protein coupled receptor protein signaling pathway; purine ribonucleoside diphosphate catabolic process; cell adhesion; blood coagulation Disease: Spastic Paraplegia 64, Autosomal Recessive
Research Articles on CD39	**1.** hCD39 expressed by circulating leukocytes and intrinsic renal cells limits innate AN injury.
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