

Datasheet for ABIN7013522
CD39 Protein (AA 38-478) (mFc Tag)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	CD39 (ENTPD1)
Protein Characteristics:	AA 38-478
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD39 protein is labelled with mFc Tag.

Product Details

Characteristics:	Human CD39 Protein, Mouse IgG2a Fc Tag
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 0.1 EU per µg by the LAL method.

Target Details

Target:	CD39 (ENTPD1)
Alternative Name:	CD39 (ENTPD1 Products)
Background:	CD39 is also known as Ectonucleoside triphosphate diphosphohydrolase 1, ENTPD1, NTPDase 1, Ecto-ATPDase 1, 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

Target Details

well. NTPDase-1 was originally described as CD39, a B lymphocyte cell surface marker, but it is also present on the surface of natural killer cells, T cells, and some endothelial cells. Regulatory T cells (Tregs) mediate immunosuppression through multiple, non-redundant, cell-contact dependent and independent mechanisms, a growing body of evidence suggests an important role for the CD39-CD73-adenosine pathway. CD39 ectonucleotidase is the rate-limiting enzyme of a cascade leading to the generation of suppressive adenosine that alters CD4 and CD8 T cell and natural killer cell antitumor activities.

Molecular Weight: 77.3 kDa

NCBI Accession: [NP_001767](#)

Application Details

Restrictions: For Research Use only

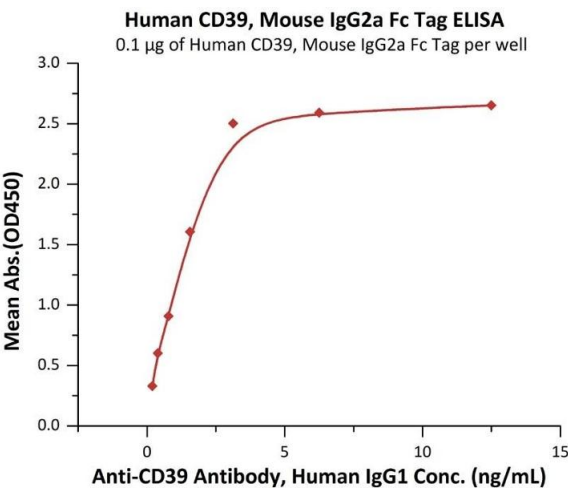
Handling

Format: Lyophilized

Buffer: 20 mM Tris, 500 mM Arginine, 150 mM NaCl, pH 7.5

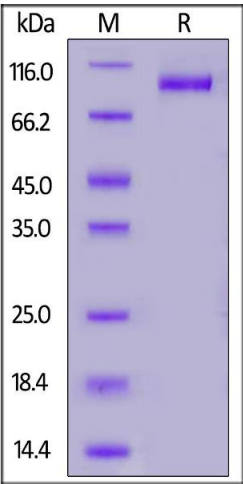
Storage: -20 °C

Images



ELISA

Image 1. Immobilized Human CD39, Mouse IgG2a Fc Tag (ABIN6972988) at 1 µg/mL (100 µL/well) can bind A Antibody, Human IgG1 with a linear range of 0.2-2 ng/mL (QC tested).



SDS-PAGE

Image 2. Human CD39, Mouse IgG2a Fc Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 % .