

Datasheet for ABIN7013525
CD73 Protein (AA 27-554) (His tag)



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2 Images

Overview

Quantity:	100 µg
Target:	CD73 (NT5E)
Protein Characteristics:	AA 27-554
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD73 protein is labelled with His tag.

Product Details

Characteristics:	Cynomolgus CD73 Protein, His Tag (active enzyme)
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	CD73 (NT5E)
Alternative Name:	CD73 (NT5E Products)
Background:	5'-nucleotidase (5'-NT), also known as ecto-5'-nucleotidase or CD73 (cluster of differentiation 73), is an enzyme that is encoded by the NT5E gene. CD73 commonly serves to convert AMP to adenosine. Ecto-5-prime-nucleotidase (5-prime-ribonucleotide phosphohydrolase) catalyzes the conversion at neutral pH of purine 5-prime mononucleotides to nucleosides, the preferred

Target Details

substrate being AMP. Other forms of 5-prime nucleotidase exist in the cytoplasm and lysosomes and can be distinguished from ecto-NT5 by their substrate affinities, requirement for divalent magnesium ion, activation by ATP, and inhibition by inorganic phosphate. Rare allelic variants are associated with a syndrome of adult-onset calcification of joints and arteries (CALJA) affecting the iliac, femoral, and tibial arteries reducing circulation in the legs and the joints of the hands and feet causing pain.

Molecular Weight: 60.0 kDa

Pathways: [Synaptic Membrane](#), [Ribonucleoside Biosynthetic Process](#)

Application Details

Restrictions: For Research Use only

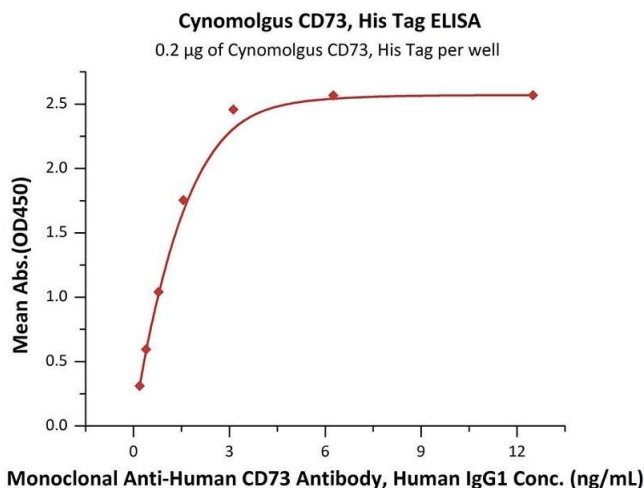
Handling

Format: Lyophilized

Buffer: Tris and NaCl, pH 7.5

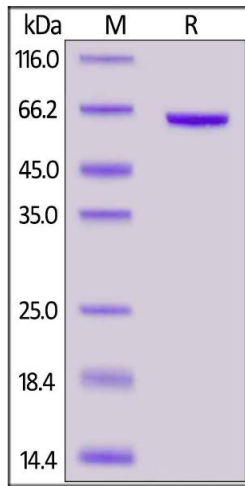
Storage: -20 °C

Images



ELISA

Image 1. Immobilized Cynomolgus CD73, His Tag (ABIN6973020) at 2 µg/mL (100 µL/well) can bind Monoclonal A CD73 Antibody, Human IgG1 with a linear range of 0.2-2 ng/mL (QC tested).



SDS-PAGE

Image 2. Cynomolgus CD73, His Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90 % .