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Datasheet for ABIN7319774

CD73 Protein (His tag)**2** Images

Overview

Quantity:	50 µg
Target:	CD73 (NT5E)
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD73 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human 5'-Nucleotidase/5'-NT/CD73 (P21589, C-6His)
Sequence:	Trp27-Lys547
Characteristics:	Recombinant Human 5'-Nucleotidase is produced by our Mammalian expression system and the target gene encoding Trp27-Lys547 is expressed with a 6His tag at the C-terminus.
Purity:	>95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Immobilized Human CD73-His(Cat#CW84) at 2µg/ml (100 µl/well) can bind Anti-Human CD73 mAb(Cat#NC034). The ED50 of Anti-Human CD73 mAb(Cat#NC034) is 7.8 ng/ml.

Target Details

Target:	CD73 (NT5E)
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Target Details

Alternative Name: 5'-Nucleotidase/5'-NT/CD73 ([NT5E Products](#))

Background: Background: CD73 is a glycosyl phosphatidylinositol (GPI) anchored membrane protein that belongs to the 5'-nucleotidase family. CD73 is an ecto 5'-Nucleotidase expressed by most cell types. CD73 hydrolyzes extracellular nucleotides into membrane permeable nucleosides. CD73 is one of several enzymes responsible for the production of extracellular adenosine, a signaling molecule that is involved in responses to inflammation and tissue injury. CD73 is a lymphocyte maturation marker that has functions independent of its catalytic activity. CD73 is also a regulator of leukocyte extravasation, a function that requires its 5'-Nucleotidase activity. Defects in NT5E are the cause of calcification of joints and arteries (CAJA). The recombinant CD73 lacking GPI anchor is secreted as a monomer.

Synonym: 5'-Nucleotidase, 5'-NT, Ecto-5'-Nucleotidase, CD73, NT5E, NT5, NTE

Molecular Weight: 58.8 kDa

UniProt: [P21589](#)

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

Application Details

Restrictions: For Research Use only

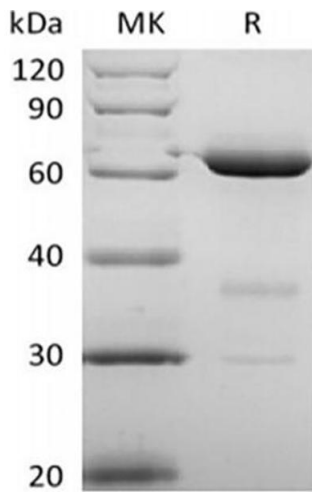
Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM Tris-HCl, 120 mM NaCl, 4 mM CaCl₂, 20 % Glycerol, pH 7.5.

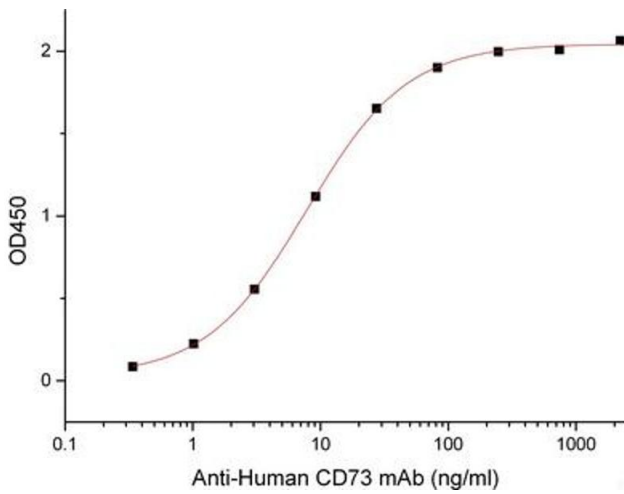
Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.



Western Blotting

Image 1.



ELISA

Image 2.