

Datasheet for ABIN7319798

CD73 Protein (Fc Tag)**2** Images[Go to Product page](#)

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 Fc Tag.

Product Details

Purpose:	Recombinant Human 5'-Nucleotidase/5'-NT/CD73 (AAH65937.1, C-Fc)
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 Fc 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-Fc(Cat#CW65) at 2µg/ml (100 µl/well) can bind Anti-Human CD73 mAb* (Cat#NC034)*. Biotinylated by NHS-biotin prior to testing. The ED50 of Anti-Human CD73 mAb*(Cat#NC034) is 0.31 ug/ml.

Target Details

Target:	CD73 (NT5E)
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Target Details

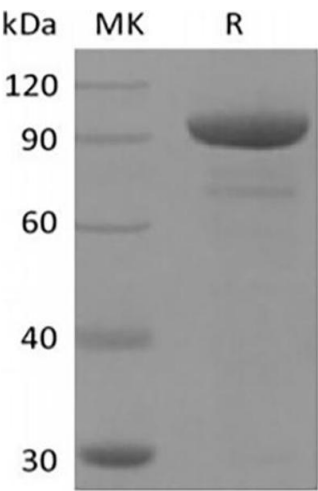
Alternative Name:	5'-Nucleotidase/5'-NT/CD73 (NT5E Products)
Background:	<p>Background: CD73 is a glycosyl phosphatidylinositol (GPI) anchored membrane protein that belongs to the 5'-nucleotidase family. CD73 is an ecto 5'-Nucleotidase expressed by most cell types. CD73 hydrolyzes extracellular nucleotides 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.</p> <p>Synonym: 5'-Nucleotidase, 5'-NT, Ecto-5'-Nucleotidase, CD73, NT5E, NT5, NTE</p>
Molecular Weight:	84.6 kDa
Pathways:	Synaptic Membrane , Ribonucleoside Biosynthetic Process

Application Details

Restrictions:	For Research Use only
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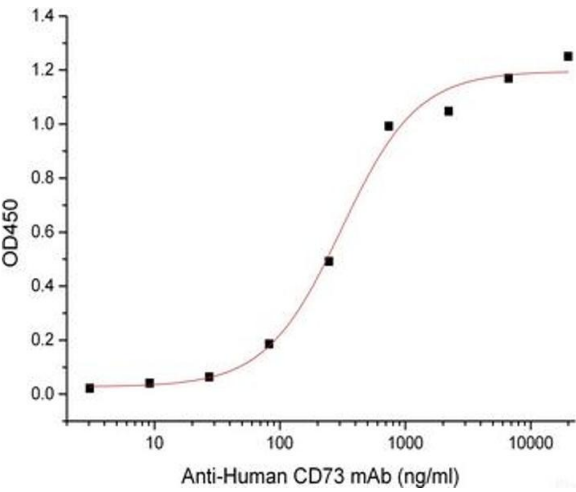
Handling

Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM Tris-HCl, 120 mM NaCl, 4 mM CaCl ₂ , 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.