

Recombinant Human CD73/NT5E Protein (His Tag)

Catalog No. PKSH032030

Note: Centrifuge before opening to ensure complete recovery of vial contents.

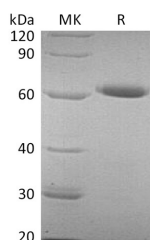
Description

Synonyms	5'-Nucleotidase;5'-NT;Ecto-5'-Nucleotidase;CD73;NT5E;NT5;NTE;CALJA;CD73;E5NT;eN;eNT;NT
Species	Human
Expression Host	HEK293 Cells
Sequence	Trp27-Lys547
Accession	AAH65937.1
Calculated Molecular Weight	58.8 kDa
Observed molecular weight	62 kDa
Tag	C-His
Bioactivity	Immobilized Human CD73-His at 2µg/ml (100 µl/well) can bind Anti-Human CD73 mAb.The ED ₅₀ of Anti-Human CD73 mAb is 3.33 ng/ml.

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 120mM NaCl, 4mM CaCl ₂ , 20% Glycerol, pH 7.5.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

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

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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.