Biotinylated Recombinant Human 5'-Nucleotidase /NT5E/CD73 Protein

Catalog No.: RP03288BLQ

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Sequence Information

Species
Human

Gene ID
4907

Swiss Prot
P21589-1

Tags
C-His&Avi

Synonyms
CD73; NT5E; NTE; 5' nucleotidase (CD73); 5'-NT; 5-NT; E5NT; EC 3.1.3.5; eN; eNT; NT; NT55'-nucleotidase; NT5; NTE; CALJA

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by Tris-Bis PAGE;≥ 95 % as determined by HPLC.

Calculated MW
60.92 kDa

Observed MW
60-70 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Supplied as a 0.22 μm filtered solution in 20 mM Tris, 120 mM NaCl, pH 7.5. Contact us for customized product form or formulation.

Reconstitution

Background

5′-nucleotidase (5′-NT), also known as ecto-5′-nucleotidase or CD73 (cluster of differentiation 73), is an enzyme that in human is encoded by the NT5E gene. CD73 commonly serves to convert AMP to adenosine. NT5E contains binding sites for transcription factors AP-2, SMAD proteins, SP-1 and elements responsive to c-AMP, which can be found in c-AMP promoter parts. This enzyme consists of a dimer of 2 identical 70-kD subunits bound by a glycosyl phosphatidyl inositol linkage to the external face of the plasma membrane, and CD73 is used as a marker of lymphocyte differentiation.

Basic Information

Description
Biotinylated Recombinant Human 5'-Nucleotidase/NT5E/CD73 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Trp27-Phe547) of human NT5E (Accession #P21589-1) fused with His&Avi tag at the C-terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃

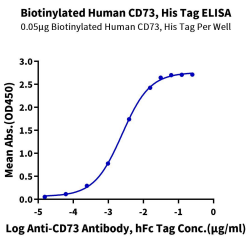
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

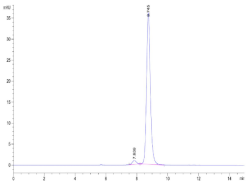
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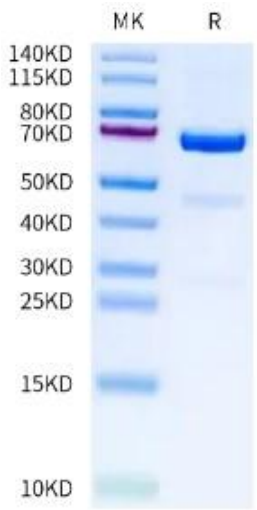
Validation Data



Immobilized Biotinylated Human CD73, His Tag at 0.5 μg/mL (100 μL/well) on the streptavidin precoated plate (5 μg/mL). Dose response curve for Anti-CD73 Antibody, hFc Tag with the EC_{50} of 2.5 ng/mL determined by ELISA.



The purity of Biotinylated Human CD73 is greater than 95% as determined by SEC-HPLC.



Biotinylated Recombinant Human 5'-Nucleotidase/NT5E/CD73 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.