

Recombinant Cynomolgus CD73/NT5E Protein

Catalog No.: RP02630 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Cynomolgus		EHH53214.1

Tags

C-His

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	Purification
HEK293 cells	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Endotoxin

Less than 1EU per µg by the LAL method.

Formulation

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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Background

CD73, also known as ecto-5'-nucleotidase, is an enzyme that in humans is encoded by the NT5E gene. CD73 commonly serves to convert AMP to adenosine. The 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. The enzyme is used as a marker of lymphocyte differentiation. A deficiency of CD73 occurs in a variety of immunodeficiency diseases.

Basic Information

Description

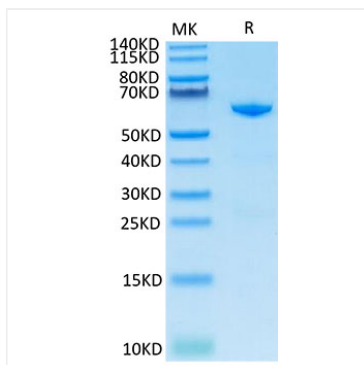
Recombinant Cynomolgus CD73/NT5E Protein is expressed from Expi293 with His tag at the C-terminal. It contains Trp27-Cys554.

Bio-Activity

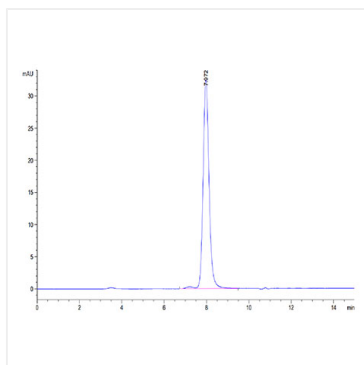
Storage

Store the lyophilized protein at -20°C to -80°C for long term. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

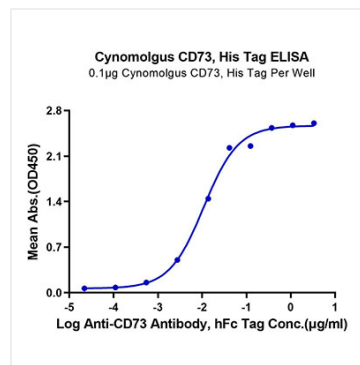
Validation Data



Cynomolgus CD73 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



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



Immobilized Cynomolgus CD73, His Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Anti-CD73 Antibody, hFc Tag with the EC₅₀ of 10.8ng/ml determined by ELISA.