

Biotinylated Human CD73/NT5E Protein

Cat. No. CD7-HM473B

Description

Source	Recombinant Biotinylated Human CD73/NT5E Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Trp27-Phe547.
Accession	P21589-1
Molecular Weight	The protein has a predicted MW of 60.92 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

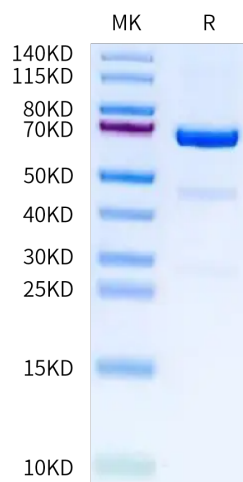
Formulation	Supplied as 0.22 µm filtered solution in 20mM Tris, 120mM NaCl (pH 7.5).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

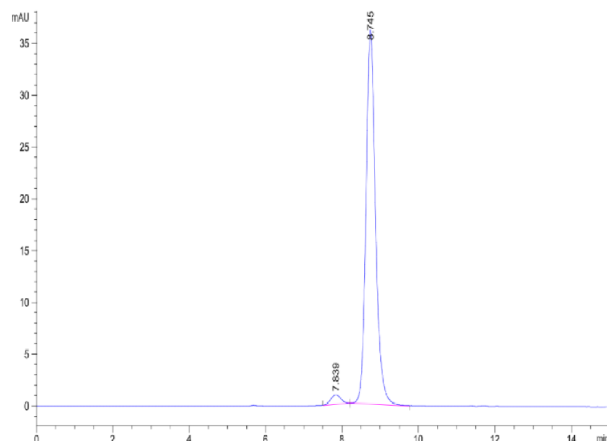
Assay Data

Tris-Bis PAGE



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

SEC-HPLC



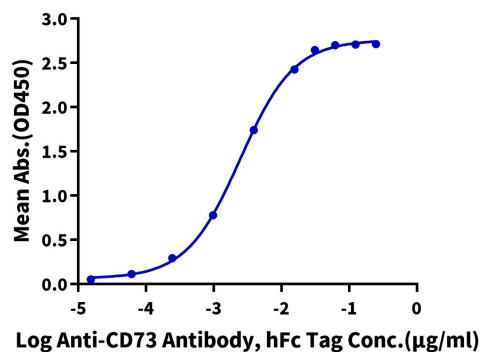
The purity of Biotinylated Human CD73 is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Biotinylated Human CD73, His Tag ELISA

0.05µg Biotinylated Human CD73, His Tag Per Well



Immobilized Biotinylated Human CD73, His Tag at 0.5µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Anti-CD73 Antibody, hFc Tag with the EC50 of 2.5ng/ml determined by ELISA.