

Biotinylated Human CD73/NT5E Protein



Cat. No. CD7-HM473B

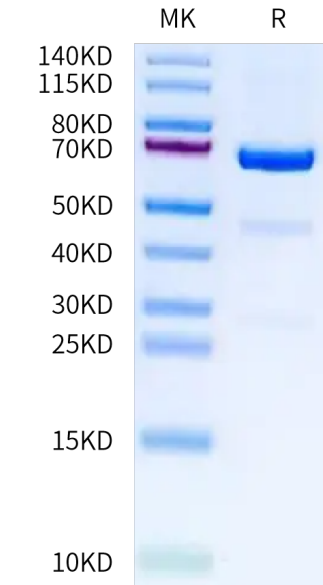
Description	
Source	Recombinant Biotinylated Human CD73/NT5E Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Trp27-Lys547.
Accession	P21589-1
Molecular Weight	The protein has a predicted MW of 60.92 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage	
Formulation	Lyophilized from 0.22 µm filtered solution in 20mM Tris, 120mM NaCl (pH 7.5). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. 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

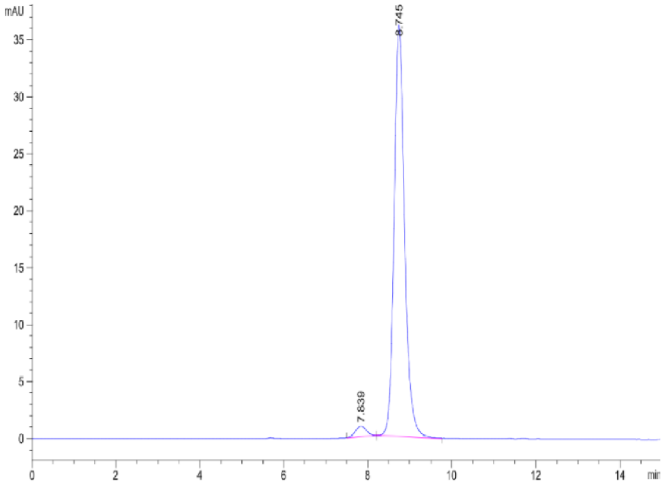
Bis-Tris PAGE



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

SEC-HPLC

Assay Data

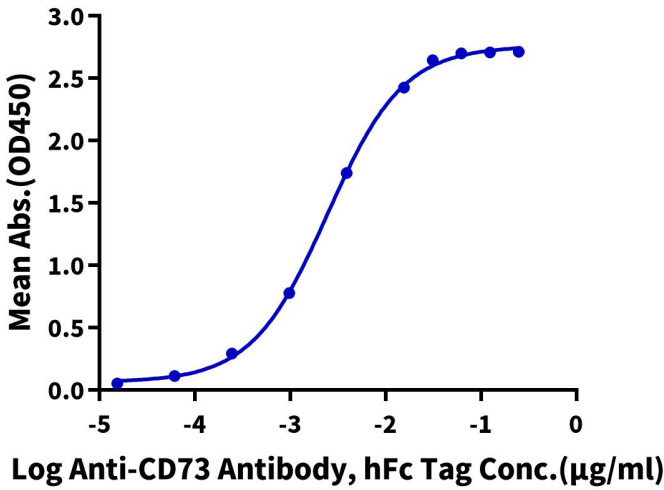


The purity of Biotinylated Human CD73 is greater than 95% as determined by SEC-HPLC.

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.