

Catalog No.: RP03288BLQ **Recombinant**

Species	Gene ID	Swiss Prot
Human	4907	P21589-1

C-His&Avi

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

Source HEK293 cells	Purification ≥ 95 % as determined by Tris- Bis PAGE; ≥ 95 % as determined by HPLC.
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Calculated MW	Observed MW
60.92 kDa	60-70 kDa

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

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.

Contact

 | 400-999-6126

✉ | cn.market@abclonal.com.cn

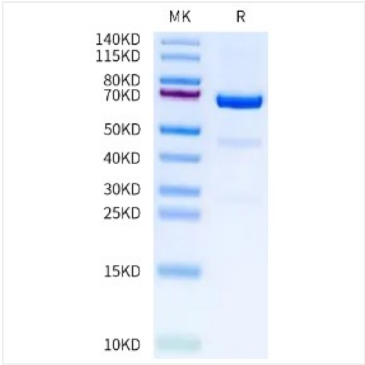
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5'-nucleotidase (5'-NT), also known as ecto-5'-nucleotidase or CD73 (cluster of differentiation 73), is an enzyme that in human is encoded by the NT5E gene. CD73 commonly serves to convert AMP to adenosine. NT5E contains binding sites for transcription 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.

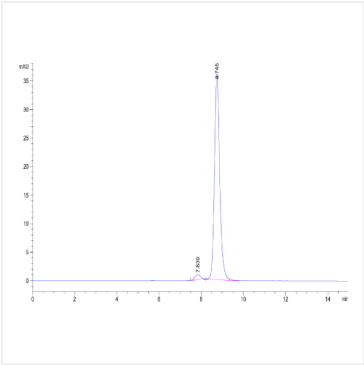
Biotinylated Recombinant Human 5'-Nucleotidase/NT5E/CD73 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Trp27-Phe547) of human NT5E (Accession #P21589-1) fused with His&Avi tag at the C-terminus.

Store at -70°C. This product is stable at $\leq -70^{\circ}\text{C}$ for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles.

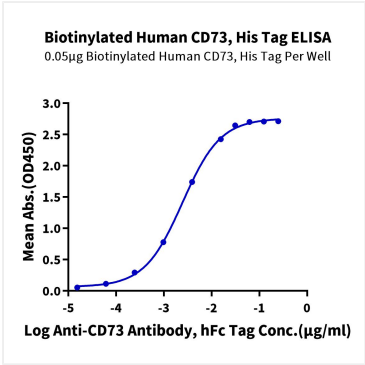
Validation Data



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



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



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 EC₅₀ of 2.5 ng/mL determined by ELISA.