

Rev03
 Update: Dec,14,2021

DATASHEET

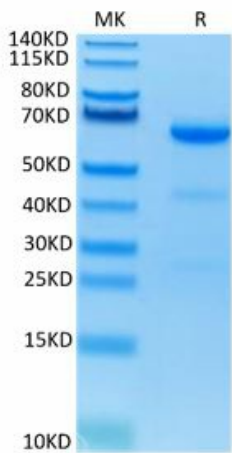
CD73, His, Human

Cat. No.: Z03628

Product Introduction

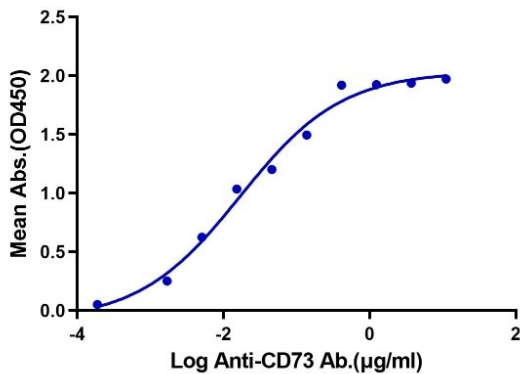
Species	Human
Protein Construction	<div style="display: flex; align-items: center; gap: 10px;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> CD73 (Trp27-Lys547) Accession # P21589 </div> <div style="background-color: #76b82a; color: white; padding: 5px; text-align: center;"> Poly-His </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px; font-size: small;"> N-term C-term </div>
Purity	> 95% as analyzed by SDS-PAGE > 95% as analyzed by HPLC
Endotoxin Level	≤ 1 EU/μg of protein by LAL method
Biological Activity	Immobilized Human CD73, His at 0.5 μg/ml (100 μl/Well). Dose response curve for Anti-CD73 Ab with the EC ₅₀ of 19.3 ng/ml determined by ELISA.
Expression System	Expi293
Apparent Molecular Weight	~58.8 kDa, on SDS-PAGE under reducing conditions.
Formulation	Supplied as a 0.22 μm filtered solution in 20 mM Tris, 120 mM NaCl, 4 mM CaCl ₂ , 20% glycerol, pH 7.5.
Concentration	Please refer to the COA for the specific lot.
Storage & Stability	Upon receiving, this product remains stable for up to 6 months at -70°C or -20°C. Avoid repeated freeze-thaw cycles.

Examples

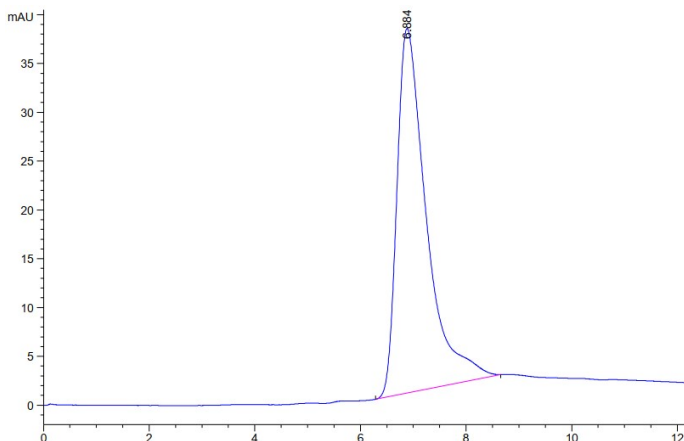


Human CD73 on SDS-PAGE under reducing conditions. The purity is greater than 95%.

Human CD73, His Tag ELISA
 0.05µg Human CD73, His Tag Per Well



Immobilized Human CD73, His Tag at 0.5 µg/ml (100 µl/well). Dose response curve for Anti-CD73 Ab with the EC50 of 16.9 ng/ml determined by ELISA.



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

Background

Target 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.

Synonyms : CD73 antigen; CD73; NT5E; NTE; 5' nucleotidase (CD73); 5'-NT; 5-NT; 5'-Nucleotidase; 5'-nucleotidase, ecto (CD73); E5NT; EC 3.1.3.5; ecto-5'-nucleotidase; eN; eNT; NT; NT55'-nucleotidase; Purine 5-Prime-Nucleotidase

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.