

Rev04
 Update: Jan,22,2026

DATASHEET

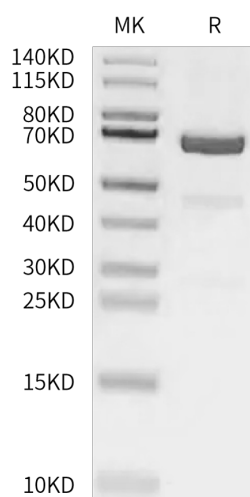
CD73/NT5E[Biotin], His & Avi, Human

Cat. No.: Z04071

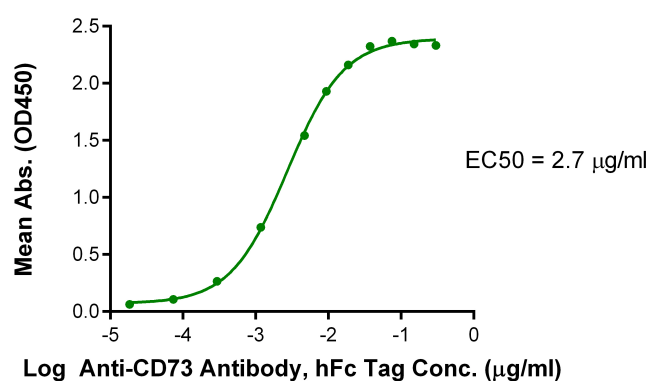
Product Introduction

Species	Human
Protein Construction	CD73/NT5E (Trp27-Lys547) Accession # P21589-1 His Avi N-termC-term
Conjugate	Biotin
Purity	> 95% as determined by BisTris PAGE
Endotoxin Level	Less than 1EU per µg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	60.92 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 60-70 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22 µm filtered solution in 20mM Tris, 120mM NaCl (pH 7.5).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable for 6 months at -20°C or below. Upon reconstitution, the product should be stable for 3 months at -80°C. Avoid repeated freeze-thaw cycles.

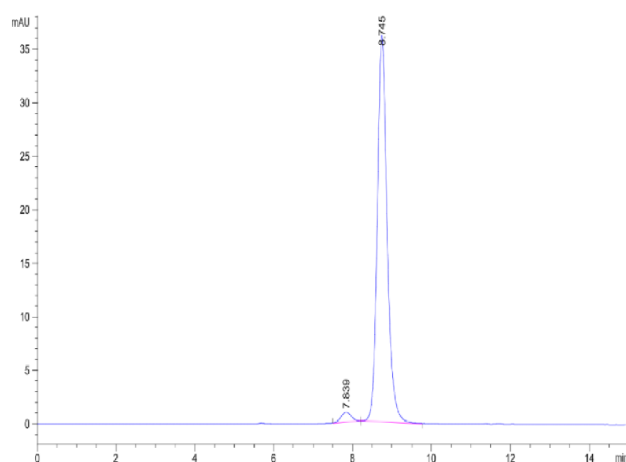
Examples



CD73/NT5E[Biotin], His & Avi, Human on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



Immobilized CD73/NT5E[Biotin], His & Avi, Human, His Avi 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 2.7ng/ml determined by ELISA.



The purity of CD73/NT5E[Biotin], His & Avi, Human 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; NT5E; NTE; 5' nucleotidase (CD73); 5'-NT; 5-NT; E5NT; EC 3.1.3.5; eN; eNT; NT; NT55'-nucleotidase; NT5; NTE; CALJA

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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