

Rev04
 Update: Jan,22,2026

DATASHEET

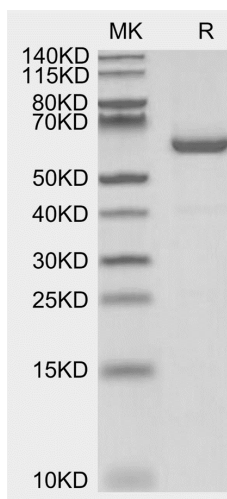
CD73/NT5E, His, Mouse

Cat. No.: Z04327

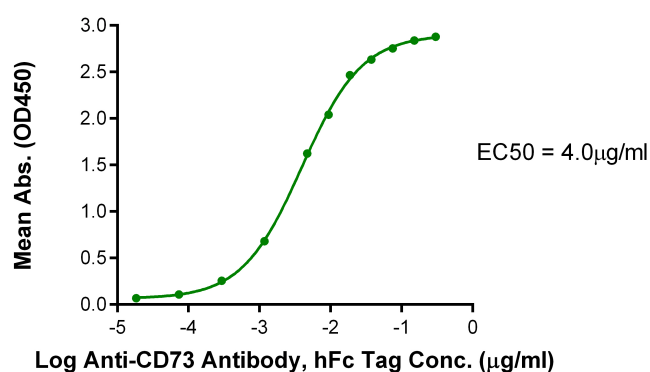
Product Introduction

Species	Mouse
Protein Construction	CD73/NT5E (Trp29-Lys549) Accession # Q61503 His N-term C-term
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. Measured by its ability to hydrolyze the 5'phosphate group from the substrate adenosine5'monophosphate (AMP). Test result meets the standard.
Expression System	HEK293
Theoretical Molecular Weight	58.6 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 20 mM Tris, 120 mM 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.

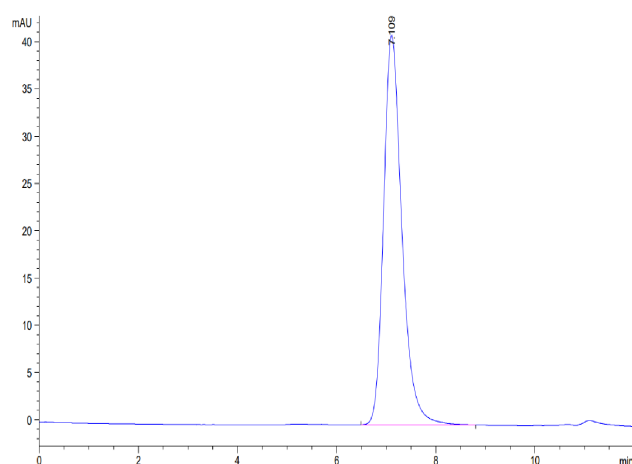
Examples



CD73/NT5E, His, Mouse on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



Immobilized CD73/NT5E, His, Mouse, His Tag at 2 μg/ml (100 μl/well) on the plate. Dose response curve for Anti-CD73 Antibody, hFc Tag with the EC50 of 4.0ng/ml determined by ELISA.



The purity of CD73/NT5E, His, Mouse is greater than 95% as determined by SEC-HPLC.

Background

Target Background : CD73, an ecto-5'-Nucleotidase, is an ectoenzyme expressed by most cell types. The 5'-Nucleotidase activity of CD73 converts extracellular nucleoside-5'-monophosphates to nucleosides, with AMP as the preferred substrate. CD73 is one of several enzymes responsible for the production of extracellular adenosine, a signaling molecule that is involved in responses to inflammation and tissue injury.

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.

Manufacturer: Nanjing GenScript Biotech Co., Ltd. No. 28Yongxi Road, Jiangning District, Nanjing, Jiangsu, China