

Datasheet for ABIN7274238  
**CD73 Protein (AA 29-549) (His tag)**

## 3 Images

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## Overview

Quantity:	100 µg
Target:	CD73 (NT5E)
Protein Characteristics:	AA 29-549
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD73 protein is labelled with His tag.

## Product Details

Purpose:	Mouse CD73/NT5E Protein
Sequence:	Trp29-Lys549
Characteristics:	Recombinant Mouse CD73/NT5E Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Trp29-Lys549.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Mouse CD73, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-CD73 Antibody, hFc Tag with the EC50 of 31ng/ml determined by ELISA. See testing image for detail.

## Target Details

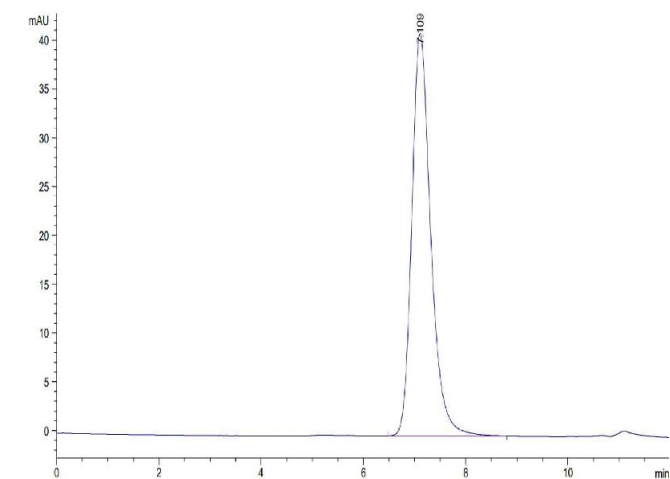
Target:	CD73 (NT5E)
Alternative Name:	CD73 ( <a href="#">NT5E Products</a> )
Background:	CD73, an ecto-5'-Nucleotidase, is an ectoenzyme expressed by most cell types. The 5'-Nucleotidase activity of CD73 converts extracellular nucleoside-5'-monophosphates to nucleosides, with AMP as the preferred substrate. 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.
Molecular Weight:	58.6 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">Q61503</a>
Pathways:	<a href="#">Synaptic Membrane</a> , <a href="#">Ribonucleoside Biosynthetic Process</a>

## Application Details

Restrictions:	For Research Use only
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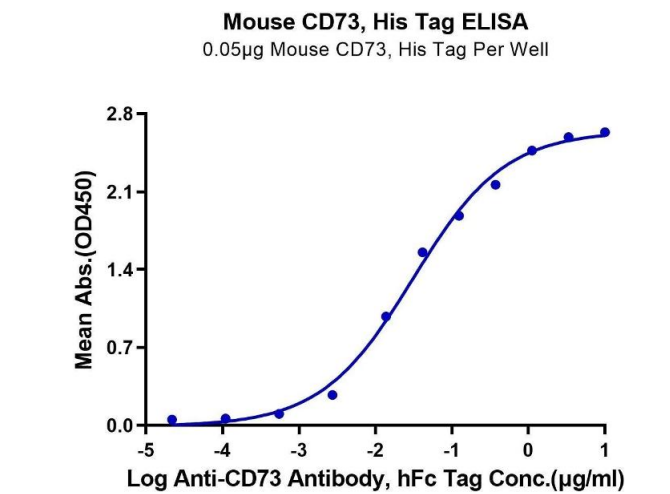
## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in 20 mM Tris, 120 mM NaCl ( pH 7.5). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



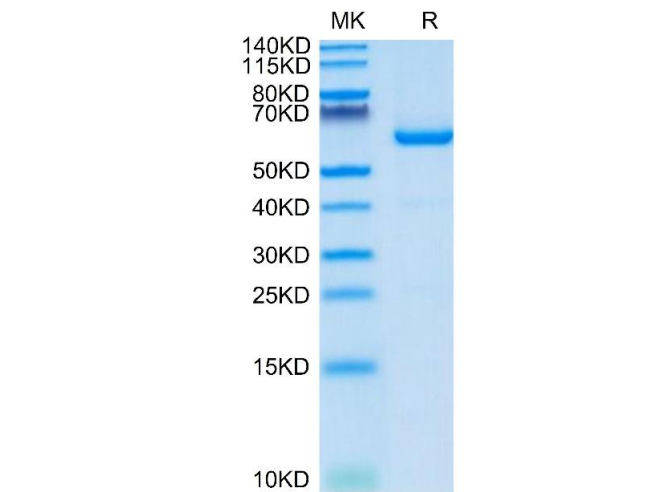
Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 1.** The purity of Mouse CD73 is greater than 95 % as determined by SEC-HPLC.



ELISA

**Image 2.** Immobilized Mouse CD73, His Tag at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-CD73 Antibody, hFc Tag with the EC50 of 31 ng/mL determined by ELISA.



SDS-PAGE

**Image 3.** Mouse CD73 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .