

Datasheet for ABIN7274231

CD7 Protein (CD7) (His-Avi Tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CD7
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD7 protein is labelled with His-Avi Tag.

Product Details

Sequence:	Ala26-Pro180
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 Human CD7,His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-CD7 Antibody, hFc Tag with the EC50 7.9ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	CD7
Alternative Name:	CD7 (CD7 Products)
Background:	CD7 Molecule, CD7, LEU-9, Tp40, TP41, GP40,CD7, also known as Leu-9, is an approximately 40 kDa glycosylated and palmitoylated transmembrane protein in the immunoglobulin

Target Details

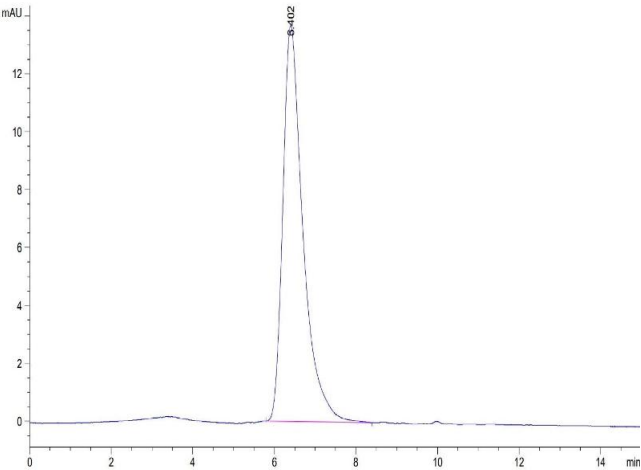
	superfamily.CD7 is expressed on T cells, NK cells , myeloid progenitor cells, and CD19 B progenitor cells. Among CD8 T cells, the CD7-bright population preferentially contains naive and memory cells, while more weak expressors are primarily effector cells.
Molecular Weight:	19.3 kDa. Due to glycosylation, the protein migrates to 34-48 kDa based on Tris-Bis PAGE result.
UniProt:	P09564
Pathways:	Cell-Cell Junction Organization

Application Details

Restrictions:	For Research Use only
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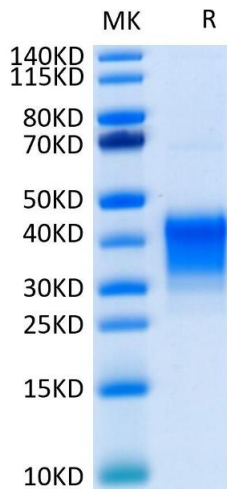
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.
Storage:	4 °C,-80 °C
Storage Comment:	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Expiry Date:	12 months



Size-exclusion chromatography-High Pressure Liquid Chromatography

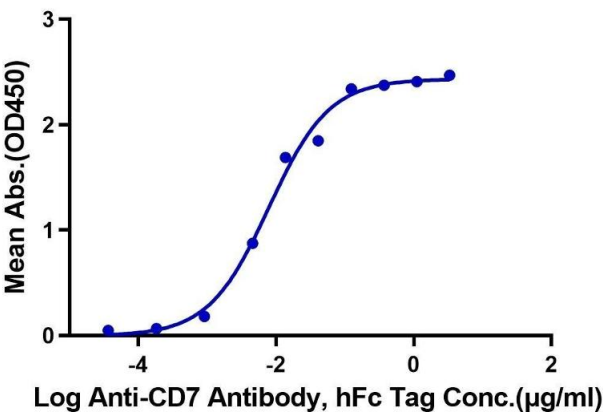
Image 1. The purity of Human CD7 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 2. Human CD7 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Human CD7, His Tag ELISA
0.05µg Human CD7, His Tag Per Well



ELISA

Image 3. Immobilized Human CD7,His Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-CD7 Antibody, hFc Tag with the EC50 7.9 ng/mL determined by ELISA.