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Datasheet for ABIN7273956
HHLA2 Protein (His tag)

6 Images

Overview

Quantity:	100 µg
Target:	HHLA2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HHLA2 protein is labelled with His tag.

Product Details

Sequence:	Ile23-Asn344
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 B7-H7, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Human CD28H, hFc Tag with the EC50 of 0.20µg/ml determined by ELISA. See testing image for detail.

Target Details

Target:	HHLA2
Alternative Name:	B7-H7 (HHLA2 Products)
Background:	B7H7, B7-H7, HHLA2, B7 Homolog 7,B7-H7, also known as HHLA2 (HERV-H LTR-associating 2), is a member of the B7 family of immune regulatory proteins.Through interaction with TMIGD2,

Target Details

costimulates T-cells in the context of TCR-mediated activation. Enhances T-cell proliferation and cytokine production via an AKT-dependent signaling cascade.

Molecular Weight: 38.1 kDa. Due to glycosylation, the protein migrates to 50-70 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions: For Research Use only

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.

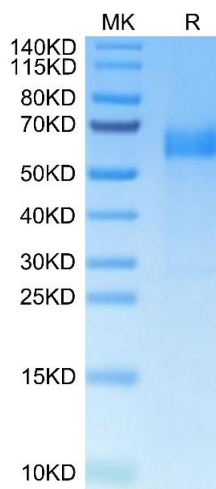
Buffer: Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.

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.

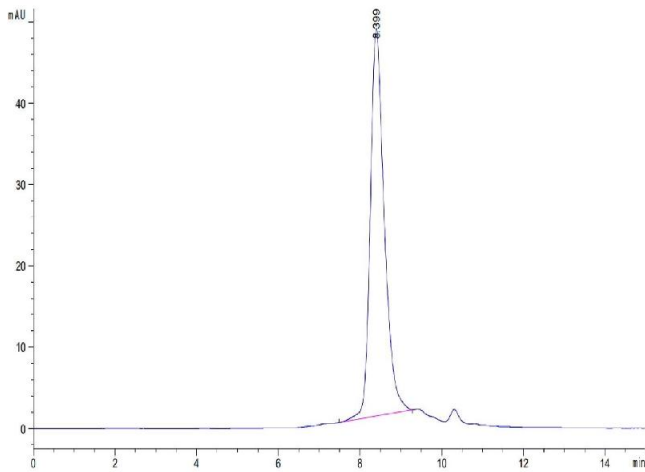
Expiry Date: 12 months

Images



SDS-PAGE

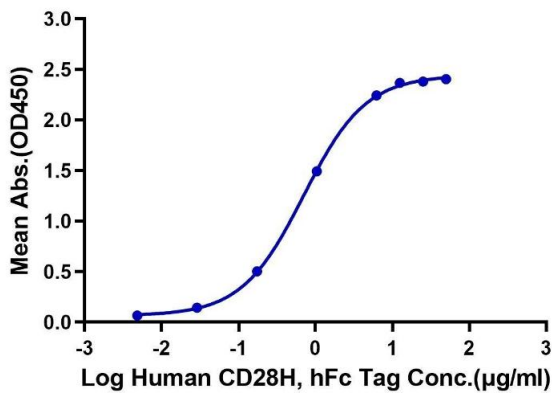
Image 1. Human B7-H7 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human B7-H7 is greater than 95 % as determined by SEC-HPLC.

Human B7-H7, His Tag ELISA
0.2µg Human B7-H7, His Tag Per Well



ELISA

Image 3. Immobilized Human B7-H7, His Tag at 2 µg/mL (100 µL/well) on the plate. Dose response curve for Human CD28H, hFc Tag with the EC50 of 0.70 µg/mL determined by ELISA.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN7273956.