

Datasheet for ABIN7273956

HLA2 Protein (AA 23-344) (His tag)**6** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	HLA2
Protein Characteristics:	AA 23-344
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HHLA2 protein is labelled with His tag.

Product Details

Purpose:	Human B7-H7/HLA2 Protein
Sequence:	Ile23-Asn344
Characteristics:	Recombinant Human B7-H7/HLA2 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains 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

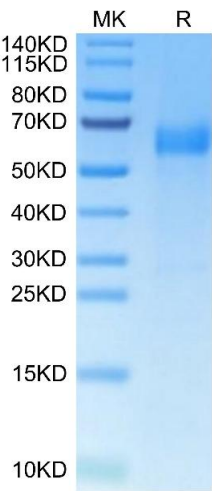
Target:	HHLA2
Alternative Name:	B7-H7 (HHLA2 Products)
Background:	B7-H7, also known as HHLA2 (HERV-H LTR-associating 2), is a member of the B7 family of immune regulatory proteins. Through interaction with TMIGD2, costimulates T-cells in the context of TCR-mediated activation. Enhances T-cell proliferation 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
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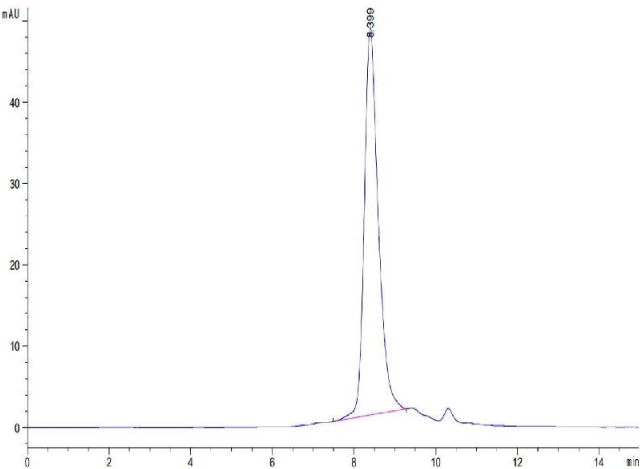
Handling

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 PBS (pH 7.4). 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



SDS-PAGE

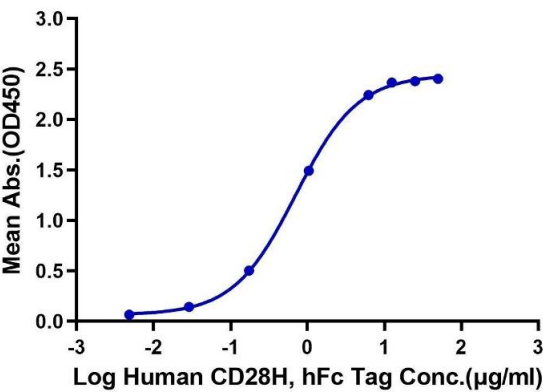
Image 1. Human B7-H7 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



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.