

Datasheet for ABIN7273964

**HLA2 Protein (AA 23-344) (Fc Tag)****5** 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 Fc Tag.

## Product Details

Purpose:	Human B7-H7/HLA2 Protein
Sequence:	Ile23-Asn344
Characteristics:	Recombinant Human B7-H7/HLA2 Protein is expressed from HEK293 with hFc 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 CD28H, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Human B7-H7, hFc Tag with the EC50 of 0.23µg/ml determined by ELISA. The affinity constant of 334 nM as determined in SPR assay (Biacore T200). See testing image for detail.

## Target Details

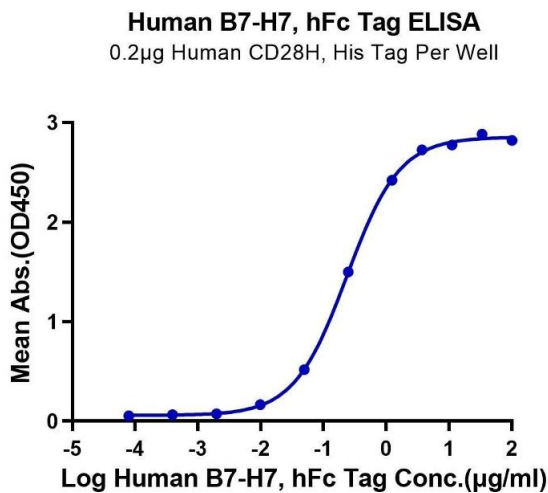
Target:	HHLA2
Alternative Name:	B7-H7 ( <a href="#">HHLA2 Products</a> )
Background:	B7-H7, also known as HHLA2 (HERV-H LTR-associating 2), is a member of the B7 family of immune regulatory proteins. Through interaction with TMIGD2, costimulates T-cells in the context of TCR-mediated activation. Enhances T-cell proliferation and cytokine production via an AKT-dependent signaling cascade.
Molecular Weight:	63.7 kDa. Due to glycosylation, the protein migrates to 78-100 kDa based on Tris-Bis PAGE result.

## Application Details

Restrictions:	For Research Use only
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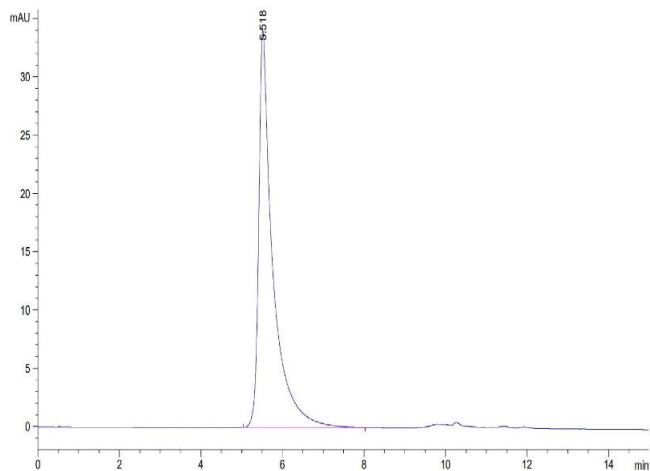
## Handling

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



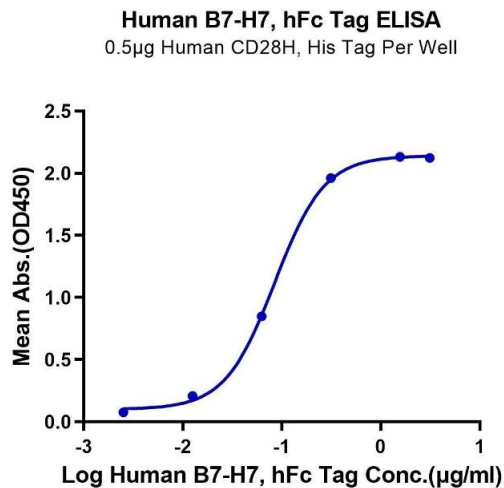
**ELISA**

**Image 1.** Immobilized Human CD28H, His Tag at 2 µg/mL (100 µL/well) on the plate. Dose response curve for Human B7-H7, hFc Tag with the EC50 of 0.23 µg/mL determined by ELISA.



**Size-exclusion chromatography-High Pressure Liquid Chromatography**

**Image 2.** The purity of Human B7-H7/HLA2 is greater than 95 % as determined by SEC-HPLC.



**ELISA**

**Image 3.** Immobilized Human CD28H, His Tag at 5 µg/mL (100 µL/well) on the plate. Dose response curve for Human B7-H7, hFc Tag with the EC50 of 84.7 ng/mL determined by ELISA.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7273964.