

Datasheet for ABIN7273956
HHLA2 Protein (AA 23-344) (His tag)



[Go to Product page](#)

6 Images

Overview

| | |
|-------------------------------|--|
| Quantity: | 100 µg |
| Target: | HHLA2 |
| 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

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|------------------------------|--|
| Purpose: | Human B7-H7/HHLA2 Protein |
| Sequence: | Ile23-Asn344 |
| Characteristics: | Recombinant Human B7-H7/HHLA2 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

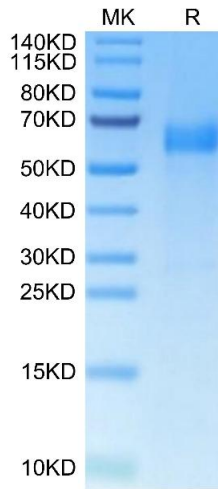
| | |
|-------------------|---|
| Target: | HHLA2 |
| Alternative Name: | B7-H7 (HHLA2 Products) |
| Background: | B7-H7, also known as HHLA2 (HERV-H LTR-associating 2), is a member of the B7 family of immune regulatory proteins. Through interaction with TMIGD2, costimulates T-cells in the context of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

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|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

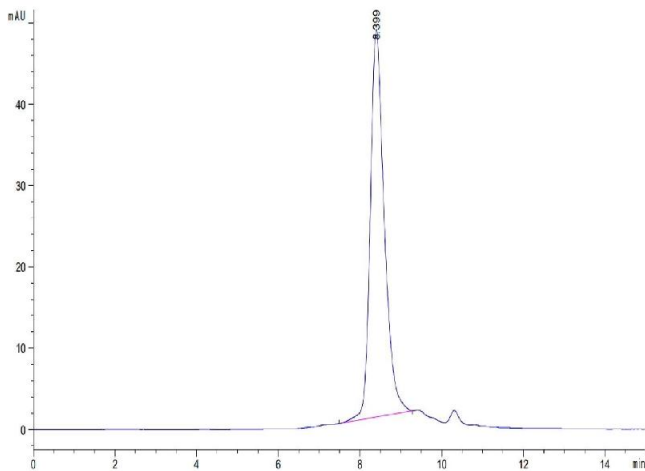
Handling

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|------------------|---|
| 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

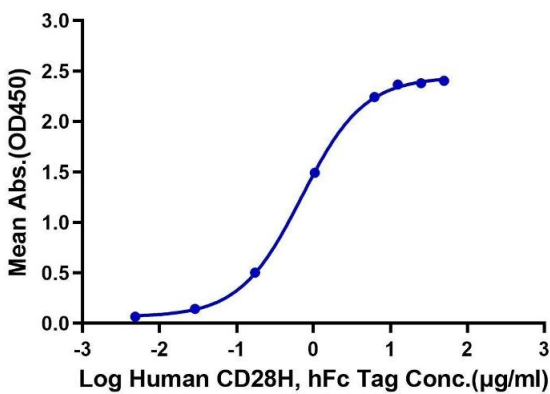
Image 1. Human B7-H7 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



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.