



[Go to Product page](#)

Datasheet for ABIN7273969

CD276 Protein (CD276) (AA 29-245) (His-Avi Tag,Biotin)

3 Images

Overview

Quantity:	100 µg
Target:	CD276
Protein Characteristics:	AA 29-245
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD276 protein is labelled with His-Avi Tag,Biotin.

Product Details

Purpose:	Biotinylated Human B7-H3 Protein
Sequence:	Leu29-Pro245
Characteristics:	Recombinant Biotinylated Human B7-H3 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Leu29-Pro245.
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 Anti-B7-H3 Antibody, hFc Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human B7-H3, His Tag with the EC50 of 1.4µg/ml determined by ELISA. See testing image for detail.

Target Details

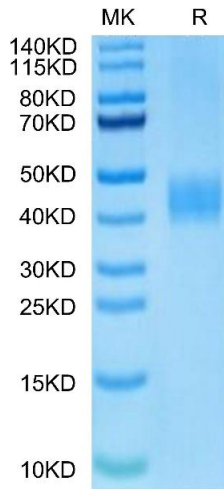
Target:	CD276
Alternative Name:	B7-H3 (CD276 Products)
Background:	B7-H3, a member of the B7 family of immunomodulatory molecules, is overexpressed in a wide range of solid cancers. B7-H3 binds to activated T cells via an as yet unidentified receptor. In assays using sub-optimal amount so anti-CD3 stimulation, 2Ig-B7-H3 enhances T cell proliferation, T cell interferon-gamma (IFN-gamma) production, and cytotoxic T cells induction.
Molecular Weight:	26.49 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Tris-Bis PAGE result.
Pathways:	Cancer Immune Checkpoints

Application Details

Restrictions:	For Research Use only
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Handling

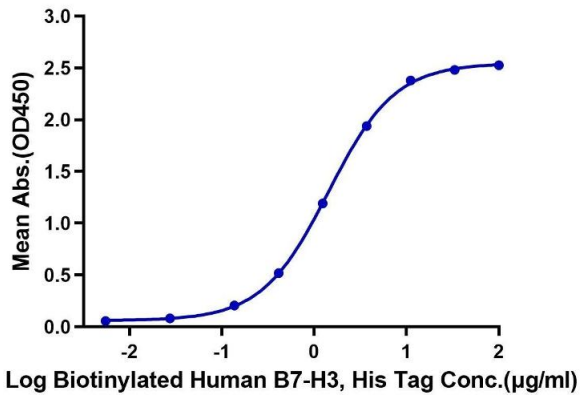
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant 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

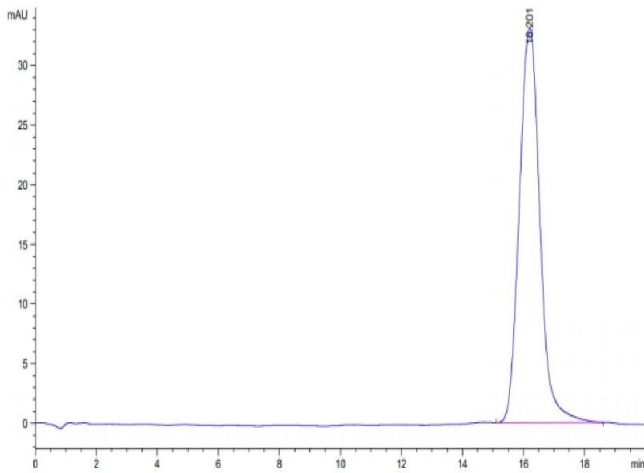
Image 1. Biotinylated Human B7-H3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Biotinylated Human B7-H3, His Tag ELISA
0.1µg Anti-B7-H3 Antibody, hFc Tag Per Well



ELISA

Image 2. Immobilized Anti-B7-H3 Antibody, hFc Tag at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Human B7-H3, His Tag with the EC50 of 1.4 µg/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Biotinylated Human B7-H3 is greater than 95 % as determined by SEC-HPLC.