

Datasheet for ABIN7273951

CD276 Protein (CD276) (AA 29-245) (His tag)**3** Images[Go to Product page](#)

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 tag.

Product Details

Purpose:	Human B7-H3/CD276 Protein
Sequence:	Leu29-Pro245
Characteristics:	Recombinant Human B7-H3/CD276 Protein is expressed from HEK293 with His 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 Human B7-H3, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-B7-H3 Antibody, hFc Tag with the EC50 of 29.4ng/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:	24.7 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Tris-Bis PAGE result.
Pathways:	Cancer Immune Checkpoints

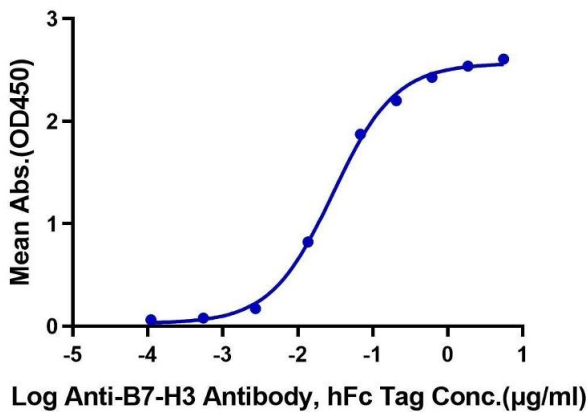
Application Details

Restrictions:	For Research Use only
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Handling

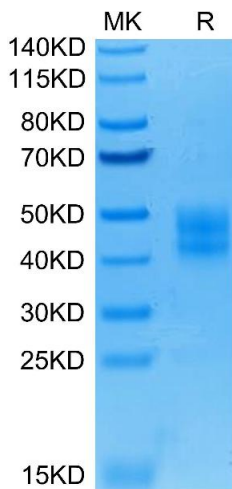
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant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

Human B7-H3, His Tag ELISA
0.05µg Human B7-H3, His Tag Per Well



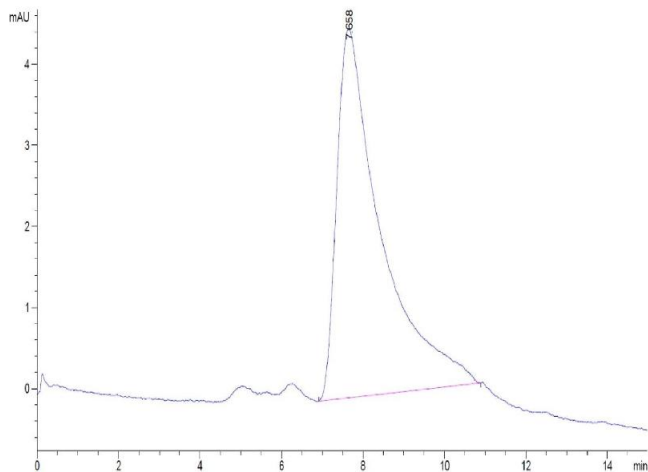
ELISA

Image 1. Immobilized Human B7-H3, His Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-B7-H3 Antibody, hFc Tag with the EC50 of 29.4 ng/mL determined by ELISA.



SDS-PAGE

Image 2. Human B7-H3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

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