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CD276 Protein (CD276) (AA 29-245) (Fc Tag)





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 Fc Tag.

Product Details

Purpose:	Human B7-H3/CD276 Protein
Sequence:	Leu29-Pro245
Characteristics:	Recombinant Human B7-H3/CD276 Protein is expressed from HEK293 with hFc 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, hFc Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Anti-B7-H3 Antibody, hFc Tag with the EC50 of 42.2ng/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:	50.1 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Tris-Bis PAGE result.
Pathways:	Cancer Immune Checkpoints
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.

protectant before lyophilization.

-20 °C,-80 °C

12 months

Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as

-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after

smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

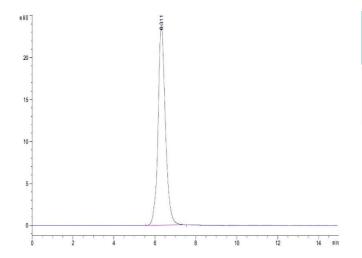
reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into

Buffer:

Storage:

Expiry Date:

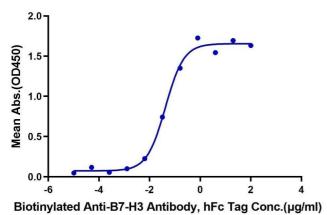
Storage Comment:



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Human B7-H3 is greater than 95 % as determined by SEC-HPLC.

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



ELISA

Image 2. Immobilized Human B7-H3, hFc Tag at $0.5 \,\mu\text{g/mL}$ (100 $\mu\text{L/Well}$) on the plate. Dose response curve for Biotinylated Anti-B7-H3 Antibody, hFc Tag with the EC50 of 42.2 ng/mL determined by ELISA.

MK R 140KD 115KD 80KD 70KD 50KD 40KD 30KD 25KD 15KD

SDS-PAGE

Image 3. Human B7-H3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .