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Datasheet for ABIN7273948

### CD276 Protein (CD276) (AA 29-465) (His tag)

3 Images



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Quantity:	100 μg
Target:	CD276
Protein Characteristics:	AA 29-465
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD276 protein is labelled with His tag.

#### **Product Details**

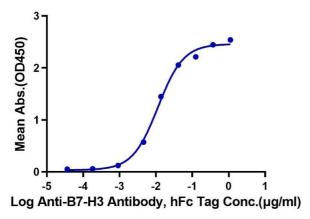
Purpose:	Cynomolgus B7-H3/CD276 Protein	
Sequence:	Leu29-Glu465	
Characteristics:	Recombinant Cynomolgus B7-H3/CD276 Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Leu29-Glu465.	
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC	
Sterility:	0.22 μm filtered	
Endotoxin Level:	Less than 1EU per μg by the LAL method.	
Biological Activity Comment:	logical Activity Comment: Immobilized Cynomolgus B7-H3, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose recurve for Anti-B7-H3 Antibody, hFc Tag with the EC50 of 11.4ng/ml determined by ELIS testing image for detail.	

#### **Target Details**

rarget 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:	48.2 kDa. Due to glycosylation, the protein migrates to 70-80 kDa based on Tris-Bis PAGE result	
NCBI Accession:	XP_015308534	
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 $\mu$ g/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	

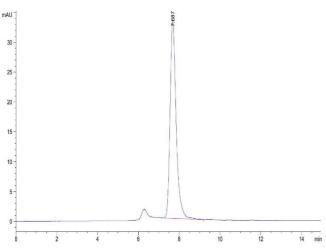
#### Cynomolgus B7-H3, His Tag ELISA

0.05µg Cynomolgus B7-H3, His Tag Per Well



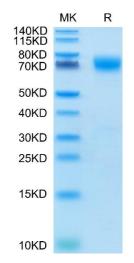
#### **ELISA**

**Image 1.** Immobilized Cynomolgus B7-H3, His Tag at  $0.5\,\mu$  g/mL (100  $\mu$ L/Well) on the plate. Dose response curve for Anti-B7-H3 Antibody, hFc Tag with the EC50 of 11.4 ng/mL determined by ELISA.



## Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Cynomolgus B7-H3 is greater than 95 % as determined by SEC-HPLC.



#### **SDS-PAGE**

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