

Datasheet for ABIN7273949

VTCN1 Protein (AA 29-258) (His tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	VTCN1
Protein Characteristics:	AA 29-258
Origin:	Rhesus Monkey, Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This VTCN1 protein is labelled with His tag.

Product Details

Purpose:	Cynomolgus/Rhesus macaque B7-H4 Protein
Sequence:	Phe29-Ala258
Characteristics:	Recombinant Cynomolgus/Rhesus macaque B7-H4 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Phe29-Ala258.
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 Cynomolgus/Rhesus macaque B7-H4, His Tag at 0.2µg/ml (100µl/Well) on the plate. Dose response curve for Anti-B7-H4 Antibody, hFc Tag with the EC50 of 12.8ng/ml determined by ELISA. See testing image for detail.

Target Details

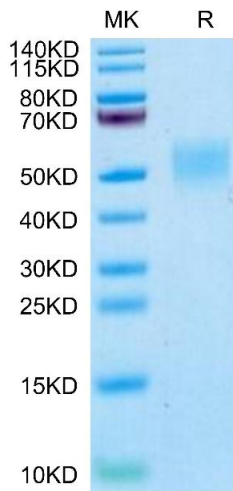
Target:	VTCN1
Alternative Name:	B7-H4 (VTCN1 Products)
Background:	B7-H4, also known as B7x and B7S1, is a 50-80 kDa glycosylated member of the B7 family of immunomodulatory proteins. B7-H4 is up-regulated in several carcinomas in correlation with tumor progression and metastasis. A soluble form of B7-H4 is elevated in the serum of ovarian cancer, renal cell carcinoma, and rheumatoid arthritis patients, also in correlation with advanced disease status .
Molecular Weight:	26.41 kDa. Due to glycosylation, the protein migrates to 48-63 kDa based on Tris-Bis PAGE result.
UniProt:	A0A2K5U6P5 , F7B770

Application Details

Restrictions:	For Research Use only
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Handling

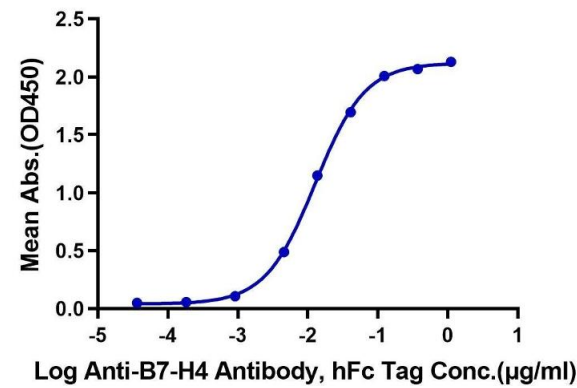
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant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

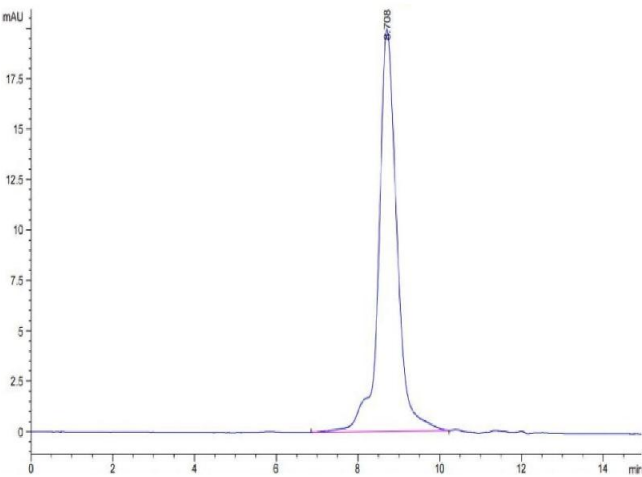
Image 1. Cynomolgus/Rhesus macaque B7-H4 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Cynomolgus/Rhesus macaque B7-H4, His Tag ELISA
0.02µg Cynomolgus/Rhesus macaque B7-H4, His Tag Per Well



ELISA

Image 2. Immobilized Cynomolgus/Rhesus macaque B7-H4, His Tag at 0.2 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-B7-H4 Antibody, hFc Tag with the EC50 of 12.8 ng/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Cynomolgus/Rhesus macaque B7-H4 is greater than 95 % as determined by SEC-HPLC.