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Datasheet for ABIN7275310
PVRL2 Protein (His-Avi Tag,Biotin)

3 Images

Overview

Quantity:	100 µg
Target:	PVRL2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PVRL2 protein is labelled with His-Avi Tag,Biotin.

Product Details

Sequence:	Gln32-Leu360
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 Biotinylated Human Nectin-2, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Human TIGIT, hFc Tag with the EC50 of 2.26µg/ml determined by ELISA. See testing image for detail.

Target Details

Target:	PVRL2
Alternative Name:	Nectin-2 (PVRL2 Products)
Background:	CD112, MPH, Nectin2, PRR2, PVRL2, HVEB, PVRR2,Nectin-2 is an adhesion molecule that has been reported to play a role in tumor growth, metastasis and tumor angiogenesis. Nectin-2

Target Details

expression in ovarian cancer may support tumor cell adhesion, leading to growth and lymph node metastasis. Effect of VEGF on Nectin-2 expression as well as permeability was investigated in HUVEC.

Molecular Weight: 38.4 kDa. Due to glycosylation, the protein migrates to 45-50 kDa based on Tris-Bis PAGE result.

UniProt: [Q92692](#)

Pathways: [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Cell-Cell Junction Organization](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

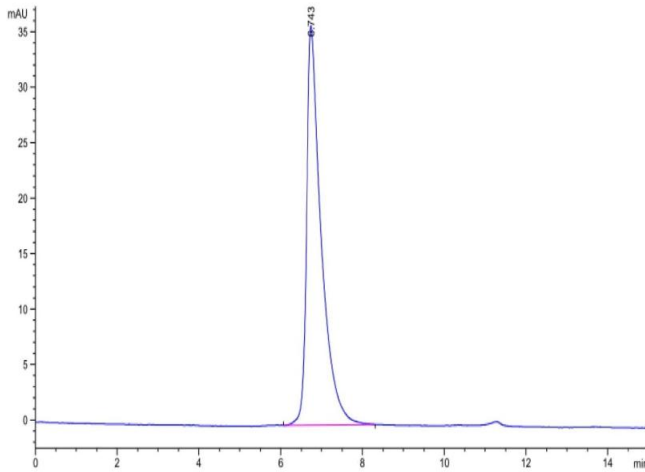
Reconstitution: Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

Buffer: Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose and 0.01 % tween is added as protectant before lyophilization.

Storage: 4 °C,-80 °C

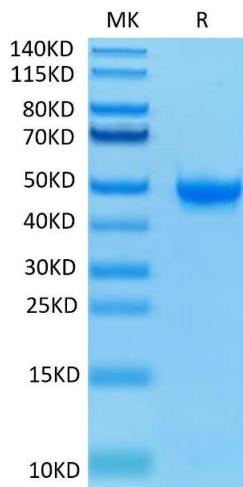
Storage Comment: Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

Expiry Date: 12 months



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Biotinylated Human Nectin-2 is greater than 95 % as determined by SEC-HPLC.

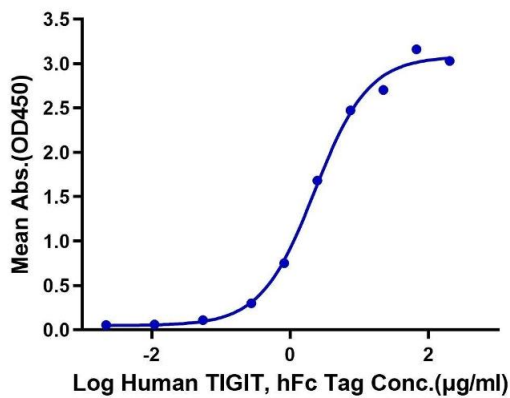


SDS-PAGE

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

Biotinylated Human Nectin-2, His Tag ELISA

0.5µg Biotinylated Human Nectin-2, His Tag Per Well



ELISA

Image 3. Immobilized Biotinylated Human Nectin-2, His Tag at 5 µg/mL (100 µL/well) on the plate. Dose response curve for Human TIGIT, hFc Tag with the EC50 of 2.26 µg/mL determined by ELISA.