

Datasheet for ABIN7274097
CD27 Protein (AA 21-192) (His tag)

3 Images

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Overview

Quantity:	100 µg
Target:	CD27
Protein Characteristics:	AA 21-192
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD27 protein is labelled with His tag.

Product Details

Purpose:	Cynomolgus CD27/TNFRSF7 Protein
Sequence:	Thr21-Ile192
Characteristics:	Recombinant Cynomolgus CD27/TNFRSF7 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Thr21-Ile192.
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 CD27, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Human CD27 Ligand, hFc Tag with the EC50 of 68.8ng/ml determined by ELISA. See testing image for detail.

Target Details

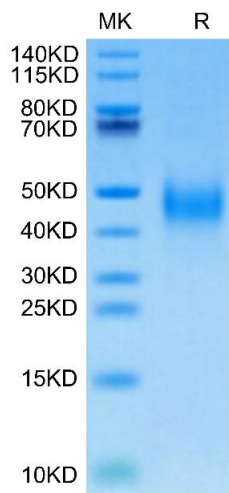
Target:	CD27
Alternative Name:	CD27 (CD27 Products)
Background:	CD27, also known as TNFRSF7, is an approximately 55 kDa transmembrane protein in the TNF receptor superfamily. It functions as a co-stimulatory molecule that supports lymphocyte activation and survival. It binds to ligand CD70, and plays a key role in regulating B-cell activation and immunoglobulin synthesis.
Molecular Weight:	20.41 kDa. Due to glycosylation, the protein migrates to 42-52 kDa based on Tris-Bis PAGE result.
NCBI Accession:	XP_005569963
Pathways:	Production of Molecular Mediator of Immune Response , Cancer Immune Checkpoints

Application Details

Restrictions:	For Research Use only
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Handling

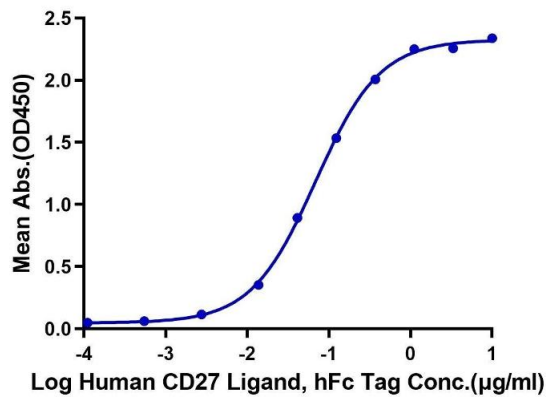
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant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



SDS-PAGE

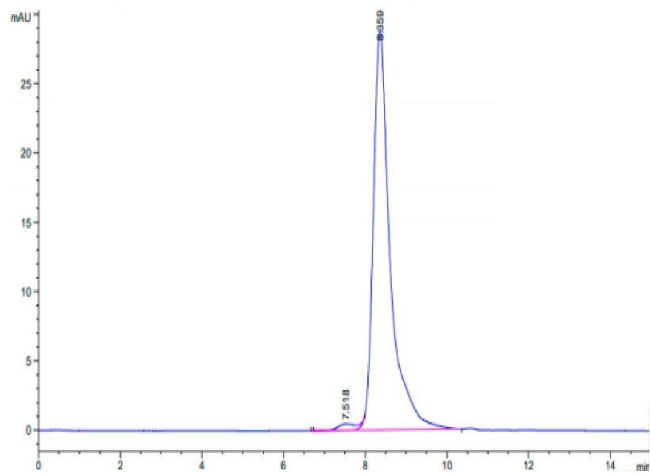
Image 1. Cynomolgus CD27 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Cynomolgus CD27, His Tag ELISA
0.1µg Cynomolgus CD27, His Tag Per Well



ELISA

Image 2. Immobilized Cynomolgus CD27, His Tag at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Human CD27 Ligand, hFc Tag with the EC50 of 68.8 ng/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Cynomolgus CD27 is greater than 95 % as determined by SEC-HPLC.