

Datasheet for ABIN7274113
CD27 Protein (Fc Tag)



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3 Images

Overview

Quantity:	100 µg
Target:	CD27
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD27 protein is labelled with Fc Tag.

Product Details

Sequence:	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 Human CD27L Trimer at 2µg/ml (100µl/Well) on the plate. Dose response curve for Human CD27, hFc Tag with the EC50 of 0.2µg/ml determined by ELISA. See testing image for detail.

Target Details

Target:	CD27
Alternative Name:	CD27 (CD27 Products)
Background:	CD27 antigen, Tp55, TNFRSF7, S152, T14, S152. LPFS2, MGC20393, S152CD27L receptor,CD27, also known as TNFRSF7, is an approximately 55 kDa transmembrane protein in

Target Details

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: 46.2 kDa. Due to glycosylation, the protein migrates to 60-75 kDa based on Tris-Bis PAGE result.

UniProt: [P26842](#)

Pathways: [Production of Molecular Mediator of Immune Response](#), [Cancer Immune Checkpoints](#)

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.

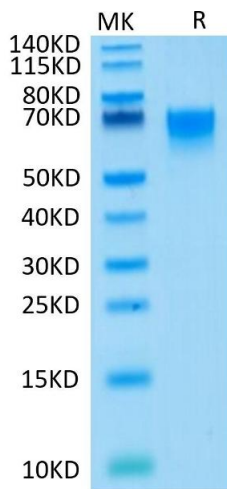
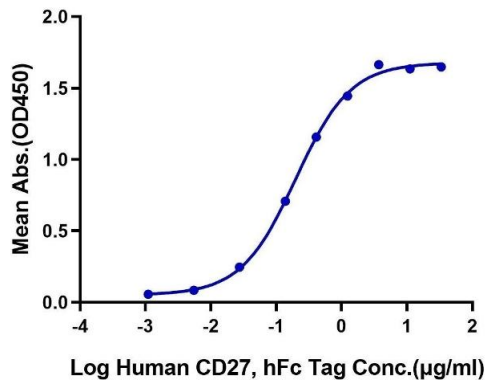
Buffer: Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.

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

Human CD27, hFc Tag ELISA
0.2µg Human CD27L Trimer, His Tag Per Well



ELISA

Image 1. Immobilized Human CD27L Trimer at 2 µg/mL (100 µL/Well) on the plate. Dose response curve for Human CD27, hFc Tag with the EC50 of 0.2 µg/mL determined by ELISA.

SDS-PAGE

Image 2. Human CD27/TNFRSF7 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Human CD27/TNFRSF7 is greater than 95 % as determined by SEC-HPLC.

