

Datasheet for ABIN7274243
CD70 Protein (AA 45-195) (Fc Tag)

3 Images

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Overview

Quantity:	100 µg
Target:	CD70
Protein Characteristics:	AA 45-195
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD70 protein is labelled with Fc Tag.

Product Details

Purpose:	Mouse CD27 Ligand/CD70 Protein
Sequence:	Ser45-Pro195
Characteristics:	Recombinant Mouse CD27 Ligand/CD70 Protein is expressed from HEK293 with hFc tag at the N-Terminus.It contains Ser45-Pro195.
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 Mouse CD27, mFc Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Mouse CD27 Ligand, hFc Tag with the EC50 of 10.3ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	CD70
Alternative Name:	CD27 Ligand (CD70 Products)
Background:	CD70, also named CD27 ligand (CD27L), is a type II transmembrane glycoprotein belonging to the TNF superfamily (TNFSF) and has been designated TNFSF7. CD70 is a cytokine that binds to CD27. Plays a role in T-cell activation. Induces the proliferation of costimulated T-cells and enhances the generation of cytolytic T-cells.
Molecular Weight:	43.41 kDa. Due to glycosylation, the protein migrates to 55-60 kDa based on Tris-Bis PAGE result.
UniProt:	O55237
Pathways:	Cancer Immune Checkpoints

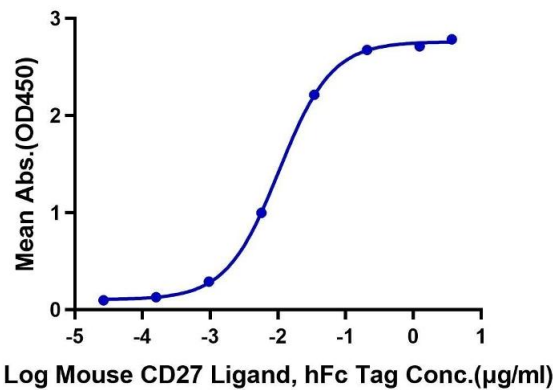
Application Details

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 6.2). 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

Mouse CD27 Ligand, hFc Tag ELISA
0.1µg Mouse CD27, mFc Tag Per Well

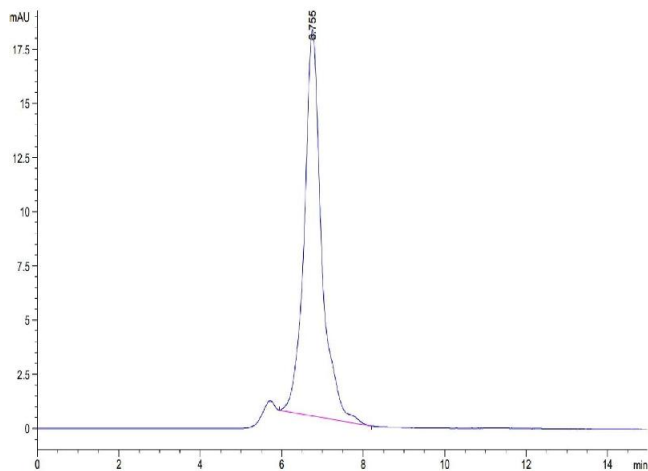


ELISA

Image 1. Immobilized Mouse CD27, mFc Tag at 1 µg/mL (100 µL/Well) on the plate. Dose response curve for Mouse CD27 Ligand, hFc Tag with the EC50 of 10.3 ng/mL determined by ELISA.

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Mouse CD27 Ligand/CD70 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Mouse CD27 Ligand/CD70 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

