



[Go to Product page](#)

Datasheet for ABIN6961112  
**CD70 Protein (mFc-His Tag)**

3 Images

Overview

Quantity:	100 µg
Target:	CD70
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD70 protein is labelled with mFc-His Tag.
Application:	ELISA

Product Details

Purpose:	Recombinant human CD70 protein with N-terminal mouse Fc and 6xHis tag
Specificity:	MFc (Pro99-Lys330) CD70 (Gln39-Pro193) 6xHis
Characteristics:	Extracellular Domain Protein
Purification:	affinity purification
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	CD70
Alternative Name:	CD70 ( <a href="#">CD70 Products</a> )
Background:	Synonyms: CD70,CD27LG,TNFSF7,TNFSF7G,CD27L

## Target Details

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Description: The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for TNFRSF27/CD27. It is a surface antigen on activated, but not on resting, T and B lymphocytes. It induces proliferation of costimulated T cells, enhances the generation of cytolytic T cells, and contributes to T cell activation. This cytokine is also reported to play a role in regulating B-cell activation, cytotoxic function of natural killer cells, and immunoglobulin synthesis.

Molecular Weight: predicted molecular mass of 45.6 kDa after removal of the signal peptide.

Gene ID: 970

UniProt: [P32970](#)

Pathways: [Cancer Immune Checkpoints](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Reconstitute with deionized water

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Preservative: Without preservative

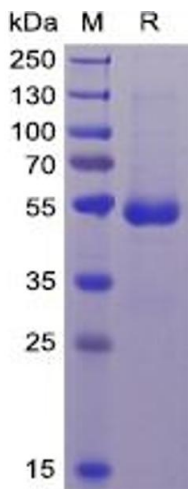
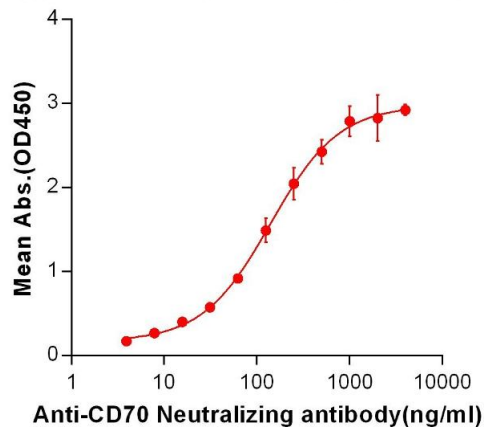
Storage: -20 °C, -80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).  
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months

**Human CD70, mFc-His Tagged protein ELISA**

0.2µg of Human CD70, mFc-His Tagged protein per well



**ELISA**

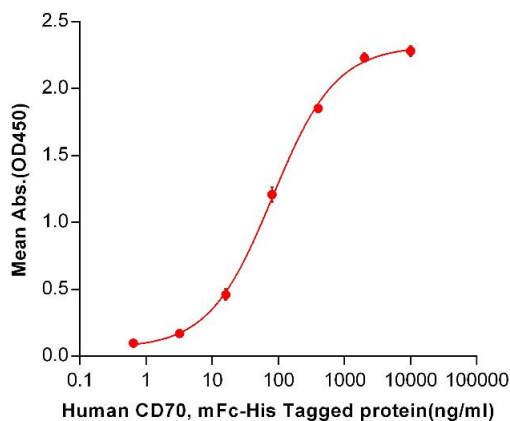
**Image 1.** ELISA plate pre-coated by 2 µg/mL (100 µL/well) CD70,mFc-His tagged protein(ABIN6961112) can bind Anti-CD70 Neutralizing antibody in a linear range of 3.91-139.9 ng/mL.

**SDS-PAGE**

**Image 2.** Human CD70 Protein, mFc-His Tag on SDS-PAGE under reducing condition.

**Human CD70, mFc-His Tagged protein ELISA**

0.2 µg of CD27, hFc Tagged protein per well



**ELISA**

**Image 3.** ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human CD27, hFc tagged protein (ABIN6961160) can bind Human CD70,mFc-His tagged protein(ABIN6961112) in a linear range of 3.2-400 ng/mL.