

PRODUCT INFORMATION

Target CD70

Synonyms CD70;CD27LG;TNFSF7;TNFSF7G;CD27L

Recombinant human CD70 protein with N-**Description** terminal mouse Fc and C-terminal 6×His tag

Delivery In Stock **Uniprot ID** P32970 **Expression Host HEK293**

Tag N-Mouse Fc and C-6×His Tag

Molecular

mFc(Pro99-Lys330) CD70(Gln39-Pro193) 6×His Characterization

The protein has a predicted molecular mass of **Molecular Weight** 45.6 kDa after removal of the signal peptide.

The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue **Purity**

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before

Formulation & lyophilization. Please see Certificate of Analysis Reconstitution for specific instructions of reconstitution.

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). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

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

Background

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 sythesis.

Usage Research use only

Conjugate Unconjugated

> Email: info@dimabio.com Website: www.dimabio.com







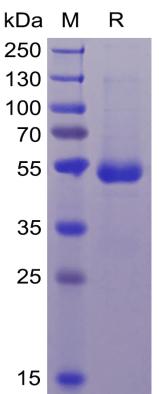


Figure 1.Human CD70 Protein, mFc-His Tag on SDS-PAGE under reducing condition.

Human CD70, mFc-His Tagged protein ELISA

0.2 µg of CD27, hFc Tagged protein per well

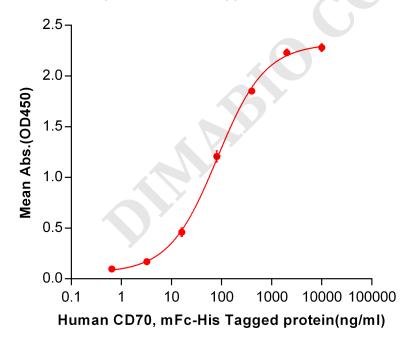


Figure 2. ELISA plate pre-coated by 2 μ g/ml (100 μ l/well) Human CD27, hFc tagged protein ([getskuurl sku="PME100475"]) can bind Human CD70,mFc-His tagged protein (PME100042) in a linear range of 3.2-400 ng/ml.



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Human CD70, mFc-His Tagged protein ELISA

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

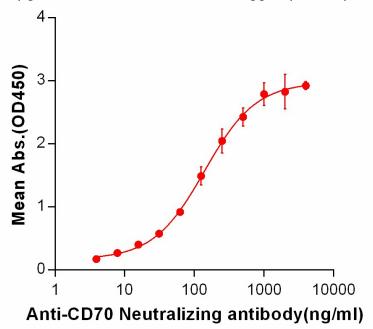


Figure 3. ELISA plate pre-coated by 2 μ g/ml (100 μ l/well) CD70,mFc-His tagged protein (PME100042) can bind Anti-CD70 Neutralizing antibody ([getskuurl sku

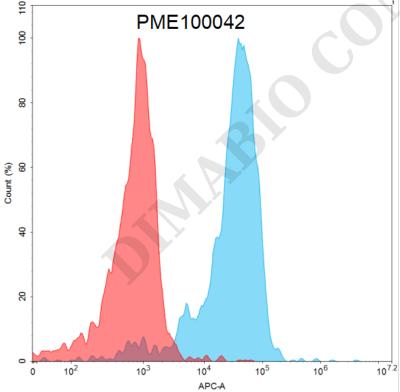


Figure 4. Flow cytometry analysis with 15 μ g/mL Human CD70 Protein, mFc-His tag (PME100042) on HEK293 cells transfected with human CD27 (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

Address: Wuhan institute of Biotechnology B7, Biolake No.666 Gaoxin Road, Wuhan, Hubei, China Telephone: +1 2409940618(USA) /+86-18062749453(China) /+86-400-006-0995(China)

Email: info@dimabio.com Website: www.dimabio.com

