

## 37-1121: Human CD70 / CD27L / TNFSF7 Recombinant Protein (Fc Tag)(Discontinued)

**Reactivity :** Human

**Alternative Name :** CD27L Protein, CD27LG Protein, TNFSF7 Protein,

### Description

#### Source : HEK293 Cells

CD70, a member of the tumor necrosis factor superfamily, is restricted to activated T-and B-lymphocytes and mature dendritic cells. Binding of CD70 to its receptor, CD27, is important in priming, effector functions, differentiation and memory formation of T-cells as well as plasma and memory B-cell generation. Tight control of CD70 expression is required to prevent lethal immunodeficiency. By selective transcription, CD70 is largely confined to activated lymphocytes and dendritic cells (DC). As a type II transmembrane receptor, CD70 is normally expressed on a subset of B, T and NK cells, where it plays a costimulatory role in immune cell activation. Immunohistochemical analysis of CD70 expression in multiple carcinoma types. The restricted expression pattern of CD70 in normal tissues and its widespread expression in various malignancies makes it an attractive target for antibody-based therapeutics. Investigations to exploit CD70 as a cancer target have lead to the identification of potential antibody-based clinical candidates. Cancer Immunotherapy Co-stimulatory Immune Checkpoint Targets Immune Checkpoint Immune Checkpoint Proteins Immune Checkpoint Targets Immunotherapy Targeted Therapy

### Product Info

**Amount :** Human CD70 / CD27L / TNFSF7 Recombinant Protein (Fc Tag)(Discontinued) / 50 µg

**Purification :** (72.6+18.6) % as determined by SDS-PAGE

Formulation Lyophilized from sterile PBS, pH 7.4

**Content :** Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

**Storage condition :** Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Amino Acid :** Gln39-Pro193

### Application Note

Measured by its binding ability in a functional ELISA. 1. Immobilized mouse CD27 at 2 Åµg/mL (100 ÅµL/well) can bind human CD70 with a linear range of 78-1250 pg/ml. 2. Immobilized mouse CD27 / Fc at 2 Åµg/mL (100 ÅµL/well) can bind biotinylated human CD70 with a linear range of 0.39-12.5 ng/ml. 3. Immobilized human CD27 / Fc at 2 Åµg/mL (100 ÅµL/well) can bind biotinylated human CD70 with a linear range of 0.39-12.5 ng/ml.

Endotoxin :< 1.0 EU per Åµg of the protein as determined by the LAL method.

Other pack size also available.

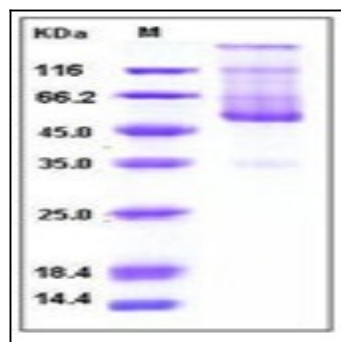


Fig 1: Human CD70 / CD27L / TNFSF7 Recombinant Protein (Fc Tag)

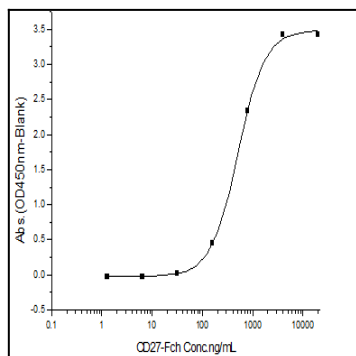


Fig 2: Human CD70 / CD27L / TNFSF7 Recombinant Protein (Fc Tag) measured by its binding ability in a functional ELISA.