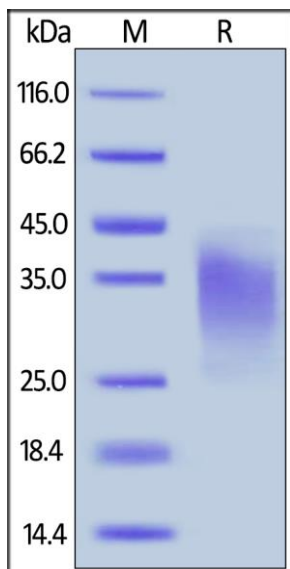
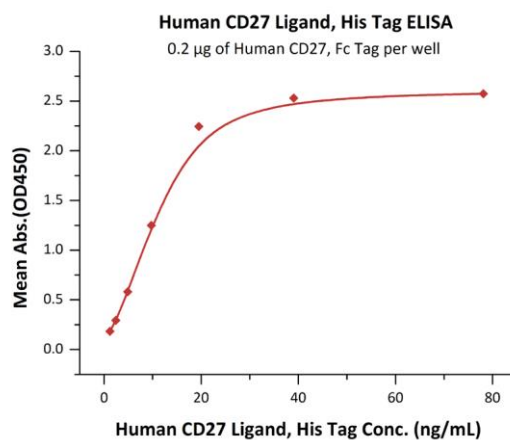


# Human CellExp™ CD27 Ligand/ CD70, Human Recombinant

<b>CATALOG #:</b>	P1381-50 P1381-10
<b>AMOUNT:</b>	50 µg 10 µg
<b>ALTERNATE NAMES:</b>	CD70, CD27LG, TNFSF7, TNFSF7G, CD27L
<b>MOL. WT.</b>	This protein carries a polyhistidine tag at the N-terminus. The protein has a calculated MW of 19.0 kDa. The protein migrates as 30-35 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>SOURCE:</b>	HEK 293 cells
<b>PURITY:</b>	>90% as determined by SDS-PAGE
<b>ENDOTOXIN:</b>	Less than 1.0 EU per µg by the LAL method
<b>FORM:</b>	Lyophilized
<b>FORMULATION:</b>	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
<b>RECONSTITUTION:</b>	Centrifuge the vial prior to opening. Reconstitute in sterile deionized water to a concentration of 100 µg/ml. Do not vortex. It is recommended to store at -20°C.
<b>SPECIFIC ACTIVITY:</b>	Immobilized Human CD27, Fc Tag at 2 µg/mL (100 µL/well) can bind Human CD27 Ligand, His Tag with a linear range of 1-20 ng/mL
<b>STORAGE CONDITIONS:</b>	Store at -20°C. After reconstitution, aliquot and store at -20°C and use within 3 months. Avoid repeated freezing and thawing cycles.
<b>DESCRIPTION:</b>	Cluster of Differentiation 70 (CD70) is also known as CD27 ligand (CD27L / CD27LG), TNFSF7, TNFSF7G, is a type II transmembrane glycoprotein belonging to the TNF superfamily (TNFSF) and is a surface antigen found on activated T-and B-lymphocytes and mature dendritic cells. Binding of CD70 to its receptor CD27 induces in priming, effector functions, differentiation and memory formation of T-cells, and thus is involved in the biological processes including T-cell activation, the proliferation of costimulated T-cells, as well as the generation of cytolytic T-cells. CD70 on T cells provides costimulatory signals that are required for T cell proliferation, clonal expansion and the promotion of effector T cell formation. CD70 on mouse B cell has been shown to inhibit terminal differentiation of activated B cells into plasma cells and enhances commitment to memory B cell responses. CD70 induces proliferation and IFN $\gamma$ production, on NK cells.
<b>AMINO ACID SEQUENCE:</b>	AA Gln 39 - Pro 193



Human CD27 Ligand, His Tag on SDS-PAGE under reducing (R) condition.



Immobilized Human CD27, Fc Tag 2 µg/mL (100 µL/well) can bind Human CD27 Ligand, His Tag with a linear range of 1-20 ng/mL

#### RELATED PRODUCTS:

- Human CellExp™ CD27 Ligand/ CD70, Fc Tag, Mouse Recombinant (P1367)
- Human CellExp™ CD27 Ligand/ CD70, Fc Tag, Human Recombinant (P1366)

**FOR RESEARCH USE ONLY! Not to be used on humans.**