

Human CellExp™ CD27 Ligand/ CD70, Fc Tag, Mouse Recombinant

CATALOG NO:	P1367-10	10 µg
	P1367-50	50 µg
ALTERNATE NAMES:	CD70, CD27LG, TNFSF7, TNFSF7G, CD27L	
SOURCE:	HEK 293 cells (Gln 47 - Pro 195)	
PURITY:	> 95% by SDS – PAGE and HPLC	
MOL. WEIGHT:	This protein carries a polyhistidine tag at the N-terminus. The protein has a calculated MW of 18.6 kDa. The protein migrates as 27-30 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.	
ENDOTOXIN LEVEL:	< 1.0 EU per 1µg of protein (determined by LAL method)	
FORM:	Lyophilized	
FORMULATION:	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.	
STORAGE CONDITIONS:	Store at -20°C. After reconstitution, aliquot and store at -80°C and use within 3 months. Avoid repeated freezing and thawing cycles.	
RECONSTITUTION:	Centrifuge the vial prior to opening. Reconstitute in sterile deionized water to a concentration of 100 µg/ml. Solubilize for 30 to 60 minutes at room temperature with occasional gentle mixing. Carrier protein (0.1% (W/V) HSA or BSA) is recommended for further dilution and long term storage. Do not vortex.	
DESCRIPTION:	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.	
SPECIFIC ACTIVITY:	Immobilized Mouse CD27, Mouse IgG2a Fc Tag, at 2 µg/mL (100 µL/well) can bind Mouse CD27 Ligand (active trimer) with a linear range of 0.1-4 ng/mL	

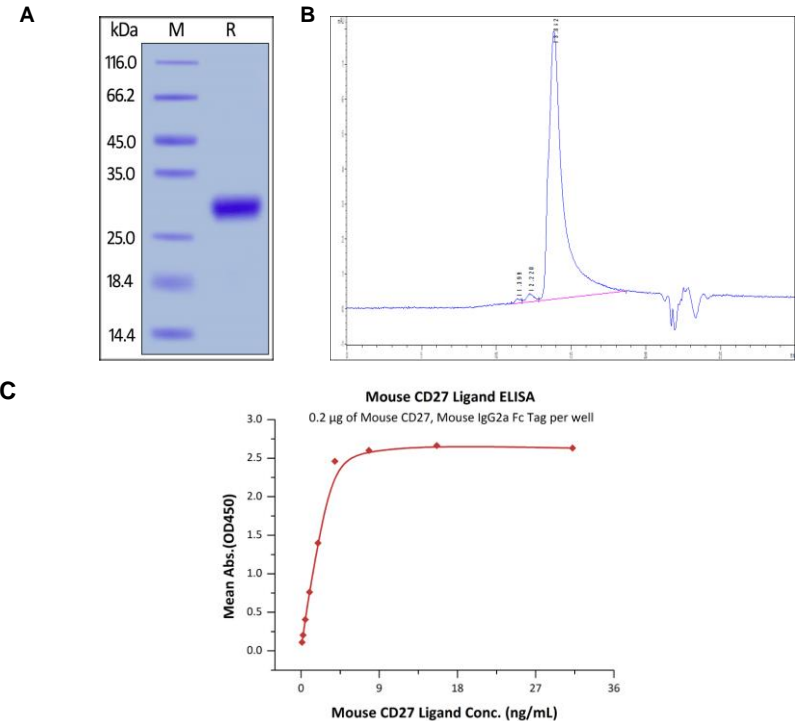


Fig. A. Mouse CD27 Ligand on SDS-PAGE under reducing (R) condition

Fig. B. A SEC-HPLC analysis showing over 95% of Mouse CD27 Ligand, His Tag present as active trimers with a molecular mass around 90 kDa.

Fig. C. Immobilized Mouse CD27, Mouse IgG2a Fc Tag, at 2 µg/mL (100 µL/well) can bind Mouse CD27 Ligand (active trimer) with a linear range of 0.1-4 ng/mL

RELATED PRODUCT:

- Human CellExp™ CD155, human recombinant (Cat. No. 7462-10, -50)
- Human CellExp™ CD160/BY55, human recombinant (Cat. No. 7386-10, -50)
- Human CellExp™ CD166/ ALCAM, human recombinant (Cat. No. 7437-10, -50)
- Human CellExp™ CD172A / SIRP, human recombinant (Cat. No. 7506-10, -50)
- Human CellExp™ CD33 / SIGLEC-3, human recombinant (Cat. No. 7370-10, -50)
- Human CellExp™ CD47, human recombinant (Cat. No. 7385-10, -50)
- Human CellExp™ CD55/DAF, human recombinant (Cat. No. 7432-10, -50)
- Human CellExp™ CD58 /LFA-3, human recombinant (Cat. No. 7427-10, -50)
- Human CellExp™ CD62E/E-Selectin, human recombinant (Cat. No. 7434-20, -100)
- Human CellExp™ CD71 / TFRC / TFR, human recombinant (Cat. No. 7279-10, -50)

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

