

CD27 Ligand/CD70 Trimer Protein, Human, Recombinant (His), FITC-Labeled

General Information

Synonyms:	TNFSF7; Ki-24 antigen;CD70;TNFSF7G;CD70 molecule;CD27 Ligand;CD27-L;CD27LG
Protein Construction:	Leu50-Pro193
Species:	Human
Expression Host:	HEK293 Cells
Accession:	P32970-1
Molecular Weight:	51.8 kDa (predicted). Due to glycosylation, the protein migrates to 63-68 kDa based on Tris-Bis PAGE result.

QC Testing

Biological Activity:	Immobilized FITC-Labeled Human CD27 Ligand Trimer, His Tag at 2 µg/mL (100 µL/well) on the plate. Dose response curve for Human CD27, hFc Tag with the EC50 of 22.7 ng/mL determined by ELISA.(QC Test)
Purity:	> 95% as determined by Tris-Bis PAGE
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).

Preparation and Storage

Stability & Storage:

It is recommended to store the product under sterile conditions at -70°C or lower. Samples are stable for up to 12 months at -80°C. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein Background

CD70, also named CD27 ligand (CD27L), is a type II transmembrane glycoprotein belonging to the TNF superfamily (TNFSF) and has been designated TNFSF7. CD70 is a cytokine that binds to CD27. Plays a role in T-cell activation. Induces the proliferation of costimulated T-cells and enhances the generation of cytolytic T-cells.

Reference

Buchan S L, et al. The immunobiology of CD27 and OX40 and their potential as targets for cancer immunotherapy [J]. Blood, 2017:blood-2017-07-741025.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481