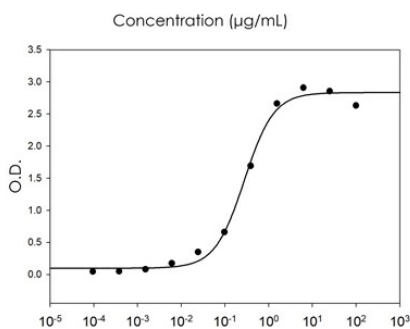
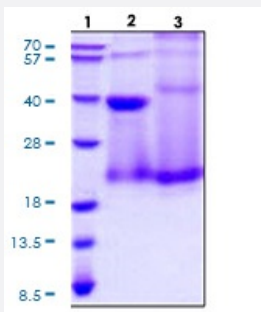


Bioactive

CD70 (Human) Recombinant Protein

Catalog # P7973 Size 100 ug

Applications



Result of bioactivity analysis

Result of bioactivity analysis

Specification

Product Description

Human CD70 (P32970, 39 a.a. - 193 a.a.) partial length recombinant protein with His tag expressed in Baculovirus expression system.

Sequence

QRFAQAQQQLPLESLGWDVAELQLNHTGPQQDPRLYWQGGPALGRSFLHGPELDKGQLRIHRD
GYMVHIQVTLAICSSTTASRHPTTLAVGICSPASRSISLLRLSFHQGCTIASQRLTPLARGDTLCTN
LTGTLPSRNTDETFFGVQWVRP

Host

Viruses

Theoretical MW (kDa)

18.2

Form	Liquid
Preparation Method	Baculovirus expression system
Purity	> 90% by SDS-PAGE
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	Measured by the binding ability in a functional ELISA with Human CD27/TNFRSF7.
Quality Control Testing	3 ug by SDS-PAGE under reducing condition and visualized by Coomassie blue stain.
Storage Buffer	In Phosphate-Buffer Saline pH 7.4 (10% glycerol)
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis Result of bioactivity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — CD70

Entrez GeneID	970
Protein Accession#	P32970
Gene Name	CD70
Gene Alias	CD27L, CD27LG, TNFSF7
Gene Description	CD70 molecule
Omim ID	602840
Gene Ontology	Hyperlink

Gene Summary

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 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 synthesis. [provided by RefSeq]

Other Designations

CD27 ligand|CD70 antigen|Ki-24 antigen|surface antigen CD70|tumor necrosis factor (ligand) superfamily, member 7|tumor necrosis factor ligand superfamily, member 7

Pathway

- [Cytokine-cytokine receptor interaction](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)
- [Lymphoproliferative Disorders](#)
- [Multiple Myeloma](#)
- [Occupational Diseases](#)
- [Ovarian Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)