

Bioactive

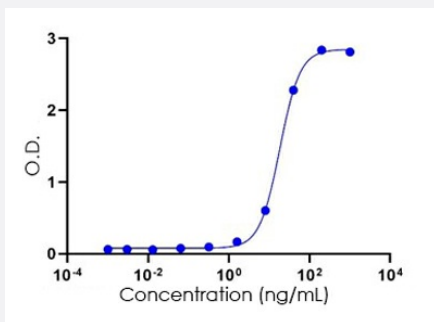
HuPro®

CD70 (Human) Recombinant Protein

Catalog # P7596

Size 1 mg

Applications



Result of bioactivity analysis

Result of bioactivity analysis

Specification

Product Description

Human CD70 (P32970, 39 a.a. - 193 a.a.) partial recombinant protein with hFc tag at C-terminus expressed in HEK293 cells.

Sequence

QRFAQAQQQLPLESLGWDVAELQLNHTGPQQDPRLYWQGGPALGRSFLHGPELDKGQLRIHRD
GYMVHIQVTLAICSSTTASRHPTTLAVGICSPASRSISLLRSLFHQGCTIASQRLTPLARGDTLCTN
LTGTLPSRNTDETFFGVQWVRP

Host

Mammals

Theoretical MW (kDa)

53.6

Form

Lyophilized

Preparation Method

Mammalian cell (HEK293) expression system

Purity

> 95% by SDS-PAGE

Endotoxin Level

< 1 EU per 1 ug of protein (determined by gel clotting method)

Activity

Immobilized CD27 (Mammalian, C-Fc-6His) at 1.0 ug/mL (100 uL/well) can bind CD27 Ligand/CD70, hFc, Human with EC₅₀ = 18.33 ng/mL when detected by SA-HRP.

Storage Buffer

Lyophilized from sterile distilled Water up to 100 ug/mL

Storage Instruction

Store at 4°C to 8°C for 1 week. For long term storage 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) lig and 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 immunoglobul in sythesis. [provided by RefSeq]

Other Designations

CD27 ligand|CD70 antigen|Ki-24 antigen|surface antigen CD70|tumor necrosis factor (ligand) su perfamily, 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](#)