

CD70 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP14744c**Specification**

CD70 Antibody (Center) Blocking Peptide - Product Information

Primary Accession [P32970](#)

CD70 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 970

Other Names

CD70 antigen, CD27 ligand, CD27-L, Tumor necrosis factor ligand superfamily member 7, CD70, CD70, CD27L, CD27LG, TNFSF7

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CD70 Antibody (Center) Blocking Peptide - Protein Information

Name CD70

Synonyms CD27L, CD27LG, TNFSF7

Function

Cytokine which is the ligand for CD27. The CD70-CD27 pathway plays an important role in the generation and maintenance of T cell immunity, in particular during antiviral responses. Upon CD27 binding, induces the proliferation of costimulated T-cells and enhances the generation of cytolytic T-cells.

Cellular Location

Membrane; Single- pass type II membrane protein

CD70 Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

CD70 Antibody (Center) Blocking Peptide - Images**CD70 Antibody (Center) Blocking Peptide - Background**

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.

CD70 Antibody (Center) Blocking Peptide - References

Arimoto-Miyamoto, K., et al. Immunology 130(1):137-149(2010) Shaw, J., et al. Blood 115(15):3051-3057(2010) Yu, S.E., et al. Mol. Cells 29(2):217-221(2010) Kozłowska, A., et al. J. Rheumatol. 37(1):53-59(2010) Johnatty, S.E., et al. PLoS Genet. 6 (7), E1001016 (2010) :