

CD70 / TNFSF7 (Activated T- & B-Lymphocyte Marker) Antibody - With BSA and Azide
Mouse Monoclonal Antibody [Clone BU69]
Catalog # AH12800

Specification

CD70 / TNFSF7 (Activated T- & B-Lymphocyte Marker) Antibody - With BSA and Azide - Product Information

Application	,13,3,4,10,5,
Primary Accession	P32970
Other Accession	970 , 501497 , 715224
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG1, kappa
Calculated MW	30kDa KDa

CD70 / TNFSF7 (Activated T- & B-Lymphocyte Marker) Antibody - With BSA and Azide - 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

Storage

Store at 2 to 8°C. Antibody is stable for 24 months.

Precautions

CD70 / TNFSF7 (Activated T- & B-Lymphocyte Marker) Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

CD70 / TNFSF7 (Activated T- & B-Lymphocyte Marker) Antibody - With BSA and Azide - Protein Information

Name CD70 ([HGNC:11937](#))

Function

Expressed at the plasma membrane of B cells, it is the ligand of the CD27 receptor which is specifically expressed at the surface of T cells (PubMed: [28011863](http://www.uniprot.org/citations/28011863), PubMed: [28011864](http://www.uniprot.org/citations/28011864), PubMed: [8387892](http://www.uniprot.org/citations/8387892)). The CD70-CD27 signaling pathway mediates antigen-specific T cell activation and expansion which in turn provides immune surveillance of B cells (PubMed: [28011863](http://www.uniprot.org/citations/28011863), PubMed: [28011864](http://www.uniprot.org/citations/28011864)).

Cellular Location

Cell membrane; Single-pass type II membrane protein

CD70 / TNFSF7 (Activated T- & B-Lymphocyte Marker) Antibody - With BSA and Azide - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CD70 / TNFSF7 (Activated T- & B-Lymphocyte Marker) Antibody - With BSA and Azide - Images

CD70 / TNFSF7 (Activated T- & B-Lymphocyte Marker) Antibody - With BSA and Azide - Background

It recognizes a protein of 30kDa, identified as CD70. It 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 co-stimulated 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. This MAb blocks the interaction between CD27 and CD70, and has been shown to inhibit T cell proliferation induced by dendritic cells.

CD70 / TNFSF7 (Activated T- & B-Lymphocyte Marker) Antibody - With BSA and Azide - References

R.Q. Hintzen, et al, (1994) J Immunol 152: 1762-1773. | M.R. Bowman, et al, (1994) J Immunol 152: 1756-1761. | Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford, (1995) p. 1137-1138. | K. Agematsu, et al, (1995) J Immunol 154: 3627-3635