

**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	IHC-F, IF, FC, E, IP
Primary Accession	<a href="#">P32970</a>
Other Accession	<a href="#">970</a> , <a href="#">501497</a> , <a href="#">715224</a>
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

**Application Note**

IHC-F~~N/A  
IF~~1:50~200  
FC~~1:10~50  
E~~N/A  
IP~~N/A

**Storage**

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

**Precautions**

CD70 / TNFSF7 (Activated T- &amp; 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:

href="http://www.uniprot.org/citations/8387892" target="\_blank">8387892</a>). The CD70-CD27 signaling pathway mediates antigen-specific T cell activation and expansion which in turn provides immune surveillance of B cells (PubMed:<a href="http://www.uniprot.org/citations/28011863" target="\_blank">28011863</a>, PubMed:<a href="http://www.uniprot.org/citations/28011864" target="\_blank">28011864</a>).

#### **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