

**CD27 (Tumor Necrosis Factor Receptor Superfamily 7) Antibody - With BSA and Azide
Mouse Monoclonal Antibody [Clone 203.6]
Catalog # AH12677**

Specification

**CD27 (Tumor Necrosis Factor Receptor Superfamily 7) Antibody - With BSA and Azide -
Product Information**

Application	,3,4,
Primary Accession	P26842
Other Accession	939, 355307
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG3, kappa
Calculated MW	120kDa KDa

**CD27 (Tumor Necrosis Factor Receptor Superfamily 7) Antibody - With BSA and Azide -
Additional Information**

Gene ID 939

Other Names

CD27 antigen, CD27L receptor, T-cell activation antigen CD27, T14, Tumor necrosis factor receptor superfamily member 7, CD27, CD27, TNFRSF7

Storage

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

Precautions

CD27 (Tumor Necrosis Factor Receptor Superfamily 7) Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

**CD27 (Tumor Necrosis Factor Receptor Superfamily 7) Antibody - With BSA and Azide -
Protein Information**

Name CD27 ([HGNC:11922](#))

Function

Costimulatory immune-checkpoint receptor expressed at the surface of T-cells, NK-cells and B-cells which binds to and is activated by its ligand CD70/CD27L expressed by B-cells (PubMed: [28011863](http://www.uniprot.org/citations/28011863)). 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)). Mechanistically, CD70 ligation activates the TRAF2-PTPN6 axis that subsequently inhibits LCK phosphorylation to promote phenotypic and transcriptional adaptations of T-cell memory (PubMed: [38354704](http://www.uniprot.org/citations/38354704)). In addition, activation by CD70 on early progenitor cells provides a negative feedback signal to

leukocyte differentiation during immune activation and thus modulates hematopoiesis (By similarity). Negatively regulates the function of Th2 lymphocytes in the adipose tissue (By similarity).

Cellular Location

Cell membrane; Single-pass type I membrane protein

Tissue Location

Found in most T-lymphocytes.

CD27 (Tumor Necrosis Factor Receptor Superfamily 7) 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](#)

CD27 (Tumor Necrosis Factor Receptor Superfamily 7) Antibody - With BSA and Azide - Images**CD27 (Tumor Necrosis Factor Receptor Superfamily 7) Antibody - With BSA and Azide - Background**

Recognizes a protein of a disulfide-linked 120kDa dimer, identified as CD27 (Workshop VI; Code 6T-028). CD27 is expressed on the majority of peripheral T cells, medullary thymocytes, memory-type B cells, and natural killer cells. It is a transmembrane phosphoglycoprotein that belongs to the tumor necrosis factor receptor (TNFR) superfamily. CD27 binds to its ligand CD70, a member of the TNF family, and induces T-cell co-stimulation and B-cell activation. It also interacts with TRAFs and is involved in activation of NFB and SAPK/JNK and induces apoptosis.

CD27 (Tumor Necrosis Factor Receptor Superfamily 7) Antibody - With BSA and Azide - References

Kishimoto T et al. (eds) Leukocyte Typing VI. P67-71, Garland Publishing, New York, 1997