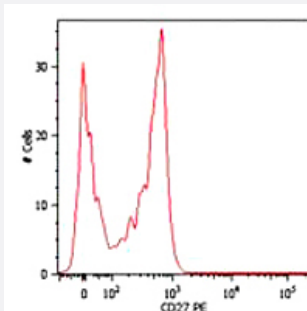


CD27 monoclonal antibody, clone LT27

Catalog # MAB0923

Size 100 ug

Applications



Flow Cytometry

Surface staining of human peripheral blood cells with CD27 monoclonal antibody, clone LT27 (Cat # MAB0923) PE. Cells in the lymphocyte gate were used for analysis.

Specification

Product Description	Mouse monoclonal antibody raised against native CD27.
Immunogen	Native purified CD27 from human peripheral blood lymphocytes.
Host	Mouse
Theoretical MW (kDa)	50-55
Reactivity	Human
Specificity	This antibody reacts with CD27 (T14), a 50-55 KDa type I transmembrane glycoprotein (member of the TNF-receptor superfamily) expressed on medullary thymocytes, peripheral T lymphocytes, some B lymphocytes and NK cells.
Form	Liquid
Purification	Protein-A affinity chromatography.
Isotype	IgG2a
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.09% sodium azide)

Storage Instruction

Store at 4°C. Do not freeze.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Flow Cytometry

Surface staining of human peripheral blood cells with CD27 monoclonal antibody, clone LT27 (Cat # MAB0923) PE. Cells in the lymphocyte gate were used for analysis.

Gene Info — CD27

Entrez GeneID[939](#)**Gene Name**

CD27

Gene Alias

MGC20393, S152, T14, TNFRSF7, Tp55

Gene Description

CD27 molecule

Omim ID[186711](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is required for generation and long-term maintenance of T cell immunity. It binds to ligand CD70, and plays a key role in regulating B-cell activation and immunoglobulin synthesis. This receptor transduces signals that lead to the activation of NF-kappaB and MAPK8/JNK. Adaptor proteins TRAF2 and TRAF5 have been shown to mediate the signaling process of this receptor. CD27-binding protein (SIVA), a proapoptotic protein, can bind to this receptor and is thought to play an important role in the apoptosis induced by this receptor. [provided by RefSeq]

Other Designations

CD27 antigen|CD27L receptor|T cell activation antigen CD27|T cell activation antigen S152|tumor necrosis factor receptor superfamily, member 7

Pathway

- [Cytokine-cytokine receptor interaction](#)

Disease

- [Asthma](#)
- [Bronchial Hyperreactivity](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Kidney Failure](#)
- [Multiple Myeloma](#)
- [Occupational Diseases](#)