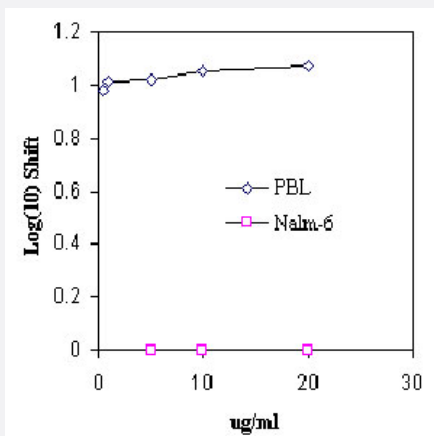


CD27 monoclonal antibody, clone M-T271

Catalog # MAB6903

Size 100 ug

Applications



Flow Cytometry

5 X 10⁵ ficoll prepared human peripheral white blood cells were washed and preincubated 5 minutes with 20 uL of 250 ug/mL human IgG (to block non specific binding) after which they were incubated 45 minutes on ice with 80 uL of CD27 monoclonal antibody, clone M-T271 (Cat # MAB6903) at 10 ug/mL. Cells were washed twice and incubated with Goat anti-Mouse IgG/FITC, after which they were washed three times, fixed and analyzed by FACS. A net 64% sub population of the cells stained positive with a mean shift of 1.0 log₁₀ fluorescent units when compared to a Mouse IgG1 negative control at a similar concentration.

Specification

Product Description	Mouse monoclonal antibody raised against native CD27.
Immunogen	Native purified CD27 from T cell line (from patient with CLL).
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM sodium phosphate buffer, 100 mM potassium Chloride, 150 mM NaCl, pH 7.5 (0.5 mg/mL gentamicin sulfate)
Storage Instruction	Store at 4°C.

Applications

- Flow Cytometry

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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

Publication Reference

- [Direct cellular communications between CD45R0 and CD45RA T cell subsets via CD27/CD70.](#)

Agematsu K, Kobata T, Sugita K, Hirose T, Schlossman SF, Morimoto C.

The Journal of Immunology 1995 Apr; 154(8):3627.

Application: IF, Human, CD45RA+/CD45RO+ CD4 T cells

- [Role of CD27 in T cell immune response. Analysis by recombinant soluble CD27.](#)

Agematsu K, Kobata T, Sugita K, Freeman GJ, Beckmann MP, Schlossman SF, Morimoto C.

The Journal of Immunology 1994 Aug; 153(4):1421.

- [CD27: marker and mediator of T-cell activation?](#)

Hintzen RQ, de Jong R, Lens SM, van Lier RA.

Immunology Today 1994 Jul; 15(7):307.

Pathway

- [Cytokine-cytokine receptor interaction](#)

Disease

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