



## CD27 Antibody [LG.7F9]

CATALOG NUMBER: 76-632

### Specifications

<b>SPECIES REACTIVITY:</b>	Human
<b>TESTED APPLICATIONS:</b>	FACS, Func
<b>USER NOTE:</b>	Optimal dilutions for each application to be determined by the researcher.
<b>SPECIFICITY:</b>	The LG.7F9 monoclonal antibody binds to CD27, 45kDA molecule in the Tumor Necrosis Factor Receptor (TNFR) superfamily. .
<b>HOST SPECIES:</b>	Hamster

### Properties

<b>PURIFICATION:</b>	The monoclonal antibody was purified utilizing affinity chromatography. The endotoxin level is determined by LAL test to be less than 0.01 EU/μg of the protein.
<b>PHYSICAL STATE:</b>	liquid
<b>BUFFER:</b>	Phosphate-buffered aqueous solution, pH7.2.
<b>CONCENTRATION:</b>	1 mg/mL
<b>STORAGE CONDITIONS:</b>	The product should be stored undiluted at 4°C . Do not freeze.
<b>CLONALITY:</b>	Monoclonal
<b>ISOTYPE:</b>	Armenian Hamster IgG
<b>CONJUGATE:</b>	Unconjugated

### Additional Info

<b>ALTERNATE NAMES:</b>	T14, S152, Tp55, TNFRSF7, S152, LPFS2, CD27
<b>OFFICIAL SYMBOL:</b>	CD27
<b>GENE ID:</b>	939

### Background

<b>BACKGROUND:</b>	The LG.7F9 monoclonal antibody binds to CD27, 45kDA molecule in the Tumor Necrosis Factor Receptor (TNFR) superfamily. It is expressed on memory B cells, NK cells, mature T cells, and a subset of thymocytes. Cd27 is involved in the interactions between B and T cells through its ligand CD70. The LG.7F9 antibody is cross-reactive human, mouse, and rat CD27.
<b>REFERENCES:</b>	1) Palmer, B. E., Blyveis, N., Fontenot, A. P., Wilson, C. C. (2005). Functional and phenotypic characterization of CD57+ CD4+ T cells and their association with HIV-1-induced T cell dysfunction.The Journal of Immunology,175(12), 8415-8423. 2) Schlossman, S. F. (1995).Leucocyte typing V: White cell differentiation antigens: Proceedings of the Fifth International Workshop and Conference, Held in Boston, USA 3-7 November, 1993. Oxford University Press. 3) Prince, H. E., Kreiss, J. K., Kasper, C. K., Kleinman, S., Saunders, A. M., Waldbeser, L., ... Kaplan, H. S. (1985). Distinctive lymphocyte subpopulation abnormalities in patients with congenital coagulation disorders who exhibit lymph node enlargement.Blood,66(1), 64-68.

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