

Polyclonal Antibody to Human CD27

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| Catalog No.: | SP7041P |
| Quantity: | 0.1 mg |
| Concentration: | 1.0 mg/ml |
| Host: | Rabbit |
| Immunogen: | Synthetic peptide corresponding to amino acids 65-80 of human CD27. |

Format: This antibody is supplied as Protein G purified Ig fraction in BBS containing 0.09% sodium azide.

Applications: Western blotting (1/1,000 - 1/2,000, In Jurkat, a 55 kDa band is observed). Other applications not tested. Optimal dilutions of this antibody are dependent on conditions and should be determined by the user.
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Specificity: CD27 is a membrane glycoprotein that exists as a 120 kD disulfide-linked homodimer on the cell surface of T and B lymphocytes. Cell surface expression of CD27 is increased upon T cell activation by engagement of the antigen receptor (1). CD27 is the receptor of a TNF-related transmembrane ligand, CD27L/CD70. The receptor-ligand complex cooperates with the TCR in the regulation of the peripheral T cell response by inducing the proliferation of costimulated T cells and the generation of cytotoxic T cells (2).
Detects human CD27. It will not cross-react with mouse CD27.

Storage: Store the antibody at 4-8°C for up to six months or in small aliquots at -20°C. For longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

1. Sugita K, Dasgupta JD, Nojima Y, Agematsu K, Schlossman SF, Morimoto C. Protein kinase A-mediated phosphorylation of the T-cell surface antigen CD27. *Immunology*. 1993 Oct;80(2):217-21. PubMed PMID: 8262550.
2. Loenen, W.A. (1992) *Eur J. Immunol* 33: 447-455.
3. Camerini D, Walz G, Loenen WA, Borst J, Seed B. The T cell activation antigen CD27 is a member of the nerve growth factor/tumor necrosis factor receptor gene family. *J Immunol*. 1991 Nov 1;147(9):3165-9. PubMed PMID: 1655907.
4. Goodwin