



CD27

Product: Anti-human CD27 nerve growth factor (NGF) Monoclonal Antibody.

Description: The CD27 antigen recognizes disulfide-linked dimer nerve growth factor (NGF) super family of cells expressing the 55kD surface antigen. CD27 acts as a co-stimulatory on T lymphocytes with its ligand of CD70.

Isotype: Mouse IgG1 kappa.

Clone: DEN-3

Applications: Monitoring of activated T cell in peripheral blood; Study of T cells and their response to parasitic infections; Study of atopic donors; Study of T cells priming and recall memory; Study of B cell differentiation and immunoglobulin secretion.

Use: PBMC: Add 10 μ l of MAB/10⁶ PBMC in 100 μ l PBS. Mix gently and incubate for 15 minutes at 2^o to 8^oC. Wash twice with PBS and analyze or fix with 0.5% v/v of paraformaldehyde in PBS and analyze. WHOLE BLOOD: Add 10 μ l of MAB/100 μ l of whole blood. Mix gently and incubate for 15 minutes at room temperature (20^oC). Lyse the whole blood. Wash once with PBS and analyze or fix with 0.5% v/v of paraformaldehyde in PBS and analyze. See instrument manufacturer's instructions for Lysed Whole Blood and Immunofluorescence analysis with a flow cytometer or microscope.

Storage: Conjugated antibodies are supplied in PBS, 0.08% sodium azide and 0.2% protein carrier and should be stored at 4-8^oC. Conjugated antibodies should not be frozen. Reagents are stable for the period shown on the vial label when stored properly.

Ordering Information:	Form	Vial Size	Catalog #
	FITC	100 Test	0272
	PE	100 Test	0274

REFERENCES:

1. Morimoto C., Cluster report : CD27. In Schlossman SF., Boumsell L., Gilks W., et al., eds. Leukocyte Typing V: White Cell Differentiation Antigens. Oxford: Oxford University Press: 1995:356-357.
2. CD27 induction on thymocytes. J Immunol 1990 Sep ;145(5):1356-63 Martorell J; Rojo I; Vilella R; Martinez-Caceres E; Vives J
3. CD27 expression by a distinct subpopulation of human B lymphocytes. Eur J Immunol 1990 De;20(12):2679-84 Maurer D; Holter W; Majdic O; Fischer GF; Knapp W
4. Regulation of expression of CD27, a T cell-specific member of a novel family of membrane receptors. J Immunol 1991 Apr 1;146(8):2488-94 de Jong R; Loenen WA; Brouwer M; van Emmerik L; de Vries EF; Borst J; van Lier RA
5. The T-cell activation antigen CD27 is a member of the growth factor/tumor necrosis factor receptor gene family. Camerini D., Walz G., Loenen W., Borst J., Seed B. J. Immunol. 1991;147(9):3165-3169

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