



CD27 Antibody [O323] (PE-Cy7)

CATALOG NUMBER: 76-625

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	FACS
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
SPECIFICITY:	The O323 monoclonal antibody specifically binds to the human CD27, which is a lymphocyte-specific member of the TNF/NGF-R family, expressed on a subset of human thymocytes and the majority of the mature T cells.
HOST SPECIES:	Mouse

Properties

PURIFICATION:	The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.
PHYSICAL STATE:	liquid
BUFFER:	Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, pH7.2.
CONCENTRATION:	5 uL (0.25 ug) / test
STORAGE CONDITIONS:	The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light. Do not freeze.
CLONALITY:	Monoclonal
ISOTYPE:	Mouse IgG1, kappa
CONJUGATE:	PE-Cy7

Additional Info

ALTERNATE NAMES:	T14, S152, Tp55, TNFRSF7, S152, LPFS2, CD27
OFFICIAL SYMBOL:	CD27
GENE ID:	939

Background

BACKGROUND:	The O323 monoclonal antibody specifically binds to the human CD27, which is a lymphocyte-specific member of the TNF/NGF-R family, expressed on a subset of human thymocytes and the majority of the mature T cells. CD27 is upregulated by T lymphocytes stimulation, and binds to CD70, enhancing the interaction between T and B lymphocytes. CD27 is a marker of memory B cells.
REFERENCES:	1) Knapp W(1989) Leucocyte typing IV: white cell differentiation antigens. Oxford University Press, 1989. 2) Correia, D. V., Fogli, M., Hudspeth, K., da Silva, M. G., Mavilio, D., Silva-Santos, B. (2011). Differentiation of human peripheral blood Vdelta-1+ T cells expressing the natural cytotoxicity receptor NKp30 for recognition of lymphoid leukemia cells. Blood, 118(4), 992-1001.

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