



## CD5

**Product:** Anti-human T cell Monoclonal Antibody

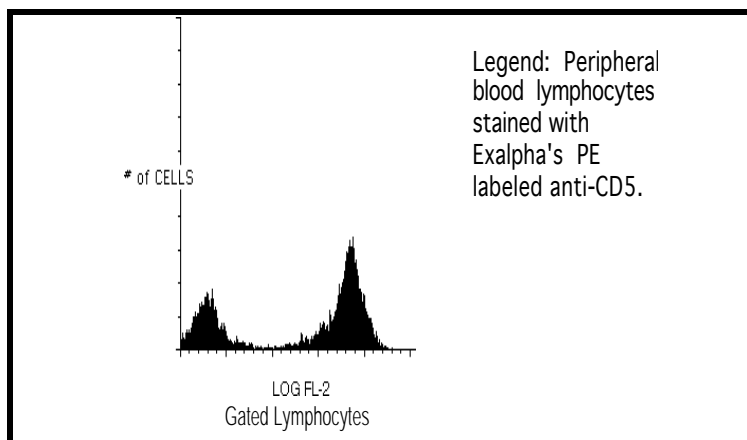
**Description** Identification of human helper/inducer T cells expressing the 67,000 M.W. surface antigen, 85% peripheral blood lymphocytes that form rosettes with sheep red blood cells (E+), and a small subset of B cells.

**Isotype:** Mouse IgG-2A kappa.

**Clone:** M28623

**Applications:** Monitoring of T cells subsets in peripheral blood; Analysis of B cell subsets; Characterization of subtypes of T cell leukemias and lymphomas

**Use:** PBMC: Add 10  $\mu$ l of MAB/ $10^6$  PBMC in 100  $\mu$ l PBS. Mix gently and incubate for 15 minutes at 20<sup>o</sup> to 8<sup>o</sup>C. Wash twice with PBS and analyze or fix with 0.5% v/v of paraformaldehyde in PBS and analyze. WHOLE BLOOD: Add 10  $\mu$ l of MAB/100  $\mu$ l of whole blood. Mix gently and incubate for 15 minutes at room temperature 20<sup>o</sup>C. 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:** Unconjugated antibodies supplied as a 1 mg/ml solution PBS and 0.08% sodium azide and should be stored at -20<sup>o</sup>C. Conjugated antibodies are supplied in PBS, 0.08% sodium azide and 0.2% protein carrier and should be stored at 4-8<sup>o</sup>C. 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 #
	Pure	100 $\mu$ g	0051
	FITC	100 Test	0052
	Biotin	100 Test	0053
	PE	100 Test	0054
	APC	100 Test	AP05

**For research use only. Not for use in human diagnostics or therapeutics.**

## REFERENCES:

1. Anti-DNA Antibody Production by CD5+ and CD5- B Cells of Patients with Systemic Lupus Erythematosus. Suzuki N., Sakane T., Engleman EG, J. Clin. Invest. 1990 Ja;85(1):238-47.
2. Characteristics of CD11c+ CD5+ Chronic B cell Leukemias and the Identification of Novel Peripheral Blood B cell Subsets with Chronic Lymphoid Leukemia Immunophenotypes. Wormsley SB, Baird SM, Gadol N., Rai KR, Sobol RE, Blood 1990 July. 76(1):123-30.
3. Stimulation of CD5 Enhances Signal Transduction by the T cell Antigen Receptor. Imboden JB, June CH, McCutcheon MA, Ledbetter JA, J. Clin. Invest. 1990 Ja;85(1):130-4.
4. Surface Immunoglobulin Ligands and Cytokines Differentially Affect Proliferation and Antibody Production by Human CD5+ and CD5- B Lymphocytes. Nawata Y., Stall Am, Herzenberg LA, Eugui Em, Allison AC, Int. Immunol. 1990;2(7):603-14.
5. Evidence for Differential Responsiveness of Human CD5+ and CD5- B cell Subsets to T cell Independent Mitogens. Zupo S., Dono M., Azzoni L., Chiorazzi N., Ferrarini M., Eur. J. Immunol. 1991 Fe. 21(2):351-9.

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