

CD4*

Product: Anti-human Helper/Inducer T cell monoclonal antibody.

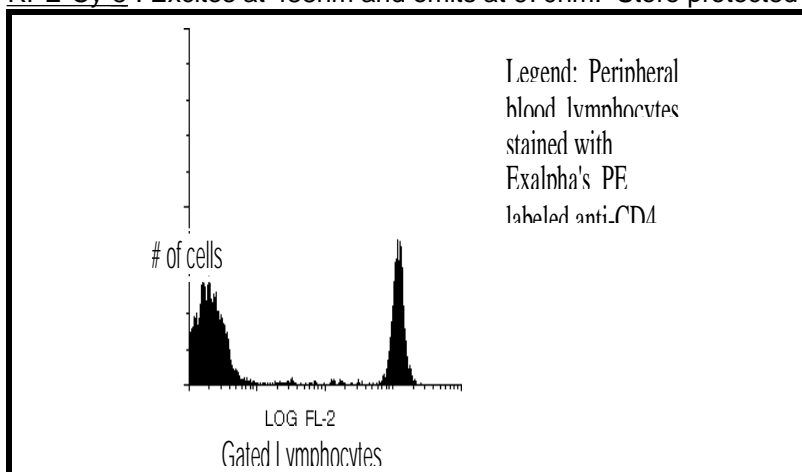
Description: Identification of human helper/inducer T cells expressing the 60,000 M.W. surface antigen (HLA class II reactive). CD4 is present in low density on monocytes.

Isotype: Mouse IgG-1 kappa.

Clone: 7E14

Applications: Monitoring of T cells subsets in peripheral blood; Analysis of T cell subsets involved in helper/inducer functions; Characterization of subtypes of T cell leukemias and lymphomas; Studies of AIDS virus infection.

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. ALLOPHYCOCYANIN: (APC) conjugates are analyzed in multi-color flow cytometry with instruments equipped with a second laser and proper filters. Laser excitation is at 633 nm with a Helium Neon (HeNe) laser or a 600-640 nm (633 nm) range for a Dye laser. Peak fluorescence emission is at 660 nm. RPE-Cy-5*: Excites at 488nm and emits at 670nm. Store protected from light.



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

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

Ordering Information:	Form	Vial Size	Catalog #
	Pure*	100 Test	0041
	FITC	100 Test	0042
	Biotin	100 Test	0043
	RPE	100 Test	0044
	APC	100 Test	AP04
	RPE-Cy-5	100 Test	X1040

* Pure form tested for Exalpha for cross-reactivity with *Macaca* species monkey.

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Cy-5* Portions of this product is manufactured under license from Carnegie Mellon University, U.S. Patent Number 5,268,486.

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Exalpha Biologicals, Inc., 86 Rosedale Rd. Watertown, MA 02472
 Tel: 800.395.1137 or 617.924.3400, Fax: 866.924.5100 or 617.924.5100, Web:www.exalpha.com