



CD8*

Product: Anti-human T and NK Lymphocytes monoclonal antibody.

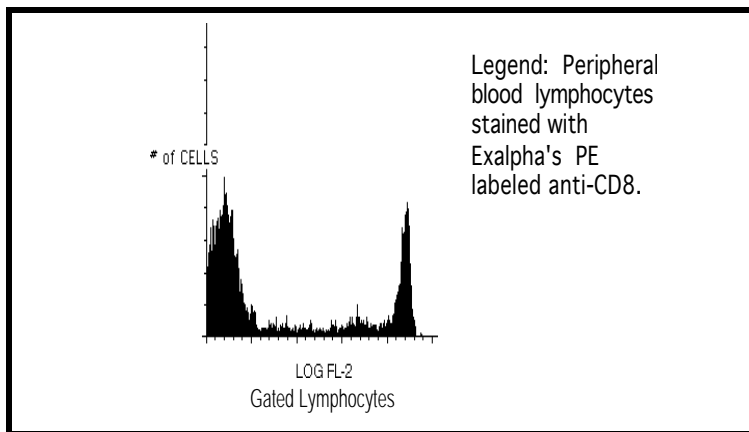
Description Identification of human T cells suppressor/cytotoxic expressing the 32 kDa M.W. surface antigen.

Isotype: Mouse IgG-1 kappa.

Clone: 17D8

Applications: Monitoring of T cells subsets in peripheral blood; Analysis of NK cell subsets; Study of cell mediated cytotoxicity.

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: Unconjugated antibodies supplied as a 1 mg/ml solution PBS and 0.08% sodium azide and should be stored at -20^oC. 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 #
	Pure*	100 μ g	0081
	FITC	100 Test	0082
	Biotin	100 Test	0083
	RPE	100 Test	0084
	APC	100 Test	AP08
	RPE-Cy-5	100 Test	X1041

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

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

REFERENCES:

1. Evolutionary Conservation of Surface Molecules that Distinguish T Lymphocyte Helper/Inducer and T Cytotoxic/Suppressor Subpopulations in Mouse and Man. Ledbetter, J.A., Evans, R.L., Lipinski, M., Cunningham-Rundles, C., Good, R.A. and Herzenberg, L.A., J. Exp. Med. 153,310, 1981.
2. Circulating Antigen-Specific Suppressor T Cells in a Healthy Woman: Mechanism of Action and Isolation with a Monoclonal Antibody. Engleman, E.G., Benike, C.J., and Evans, R.L., Clin. Res. 29, 365a 1981.
3. Induction of Immunoglobulin Secreting Cells in the Allogeneic Mixed Leukocyte Reaction: Regulation by Helper and Suppressor Lymphocyte Subsets in Man. Kotzin, B.L., Benike, C.J. and Engleman, E.G., J. Imm. 127,931,1981.
4. CD4 and CD8 molecules can physically associate with the same T-cell receptor. Gallagher, P.F., Fazekas de St. Groth, B., Miller, J.F.A.P., Proc. Nat. Acad. Sci. 1989,86:10044.
5. Immunofluorescence Measurement in a Flow Cytometer using Low-Power Helium Neon Laser Excitation. Shapiro, H.M, Glazer, A.N., Christenson, L., Williams, J.M., and Strom, T. B. Cytometry 4,276, 1983.
6. Comparison of Helium Neon and Dye lasers for Excitation of Allophycocyanin. Loken, M.R., Kiej, J.F. and Kelly, K.,A. Cytometry 8, 96, 1987.

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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