



## Bi-Test™ CD4 FITC - CD8 PE

**Product:** Anti-human CD4 FITC Helper/Inducer T cell Monoclonal I Antibody and Anti-human CD8 PE T & NK Lymphocytes Monoclonal Antibody.

**Description:** Identification of CD4 on 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. Identification of CD8 on human T cells suppressor/cytotoxic expressing the 32,000 M.W. alpha subunit surface antigens.

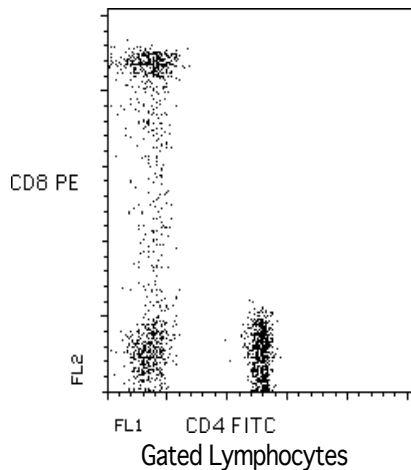
**Isotypes:** Mouse IgG-1 kappa (FITC) and Mouse IgG-1 kappa (PE)

**Clones:** 7E14 (CD4 FITC) and 17D8 (CD8 PE)

**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 leukemia's and lymphomas; Studies of AIDS/HIV virus infection; Analysis of NK subset; Study of cell mediated cytotoxicity.

**Use:PBMC:** Add 10  $\mu$ l of MAB/10<sup>6</sup> PBMC in 100  $\mu$ l PBS. Mix gently and incubate for 15 minutes at 20° to 8°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°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.



Legend: Peripheral Blood Lymphocytes Stained with Exalpa's Bi-Test CD4 FITC-CD8 PE Two Color Staining Kit.

**Storage:** Antibodies are supplied in PBS, 0.08% sodium azide and 0.2% protein carrier for FITC and PE. Antibodies should be stored at 4-8°C. Monoclonal 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 #
	Bi-Test™	50 Test	0048S
	Bi-Test™	100 Test	0048

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

## REFERENCES:

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10. 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.

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