



## Bi-Test™ CD4 FITC - CD25 PE

**Product:** Anti-human CD4 FITC Helper/Inducer T cell monoclonal antibody and anti-human CD25 IL-2 receptor 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 human receptor for Interleukin-2 (IL-2R) expressing the 55,000 M.W. surface antigen.

**Isotypes:** Mouse IgG1 kappa (FITC) and Mouse IgG1 kappa (PE)

**Clones:** 7E14 (CD4 FITC) and 1TYV (CD25 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; Monitoring of activated T cells in peripheral blood; Analysis of NK subsets; Study of B cell activation.

**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 2<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:** 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<sup>o</sup>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	0425S
	Bi-Test™	100 Test	0425

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

## REFERENCES:

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11. Defective clonogenic potential of CD8+ T lymphocytes in patients with AIDS. Expansion in vivo of a nonclonogenic CD3+ CD8+ DR+ CD25- T cell population. Pantaleo G., Keonig S., Baseler M., Lane H.C., Fauci A.S., J. Immunol. 1990 Mar ; 144(5):1696-704.

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