



Bi-Test™ CD4 FITC-CD62L PE

Product: Anti-human Helper/Inducer T cell monoclonal antibody and Anti-human L-Selectin 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. CD62L is on 60-75% of peripheral blood lymphocytes, Approximately 70-80% of T cells, 10% of thymocytes and most B cells. CD62L reacts with monocytes, granulocytes and a subset of NK cells. The selectins represent a family of adhesion molecules, expressed by leukocytes and endothelial cells that are involved in the regulation of leukocyte traffic. Human leukocyte L selectin is also called LAM-1, LECAM-1, or gp90MEL-14. This antibody to L selectin blocks greater than 95% of lymphocyte adhesion to peripheral lymph node high endothelial venules.

Isotype: Mouse IgG1 kappa (CD4 FITC) and Mouse IgG2a kappa CD62L PE).

Clone: 7E14 (CD4 FITC) and 1H3 (CD62L 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 leukemias and lymphomas; Studies of AIDS virus infection. : Monitoring of T cells in peripheral blood; Study of Cell-adhesion molecules; Study of B cell functions; Study of lymphomas and leukemias.

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.

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^oC. 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	462LS
	Bi-Test™	100 Test	462L

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

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