



Bi-Test™ CD8 FITC - CD28 PE

Product: Anti-human T and NK Lymphocytes and CD28 receptor monoclonal antibody.

Description: Identification of human cytotoxic/suppressor T cells expressing the 32 and 43,000 M.W. surface antigen. CD38 antigen is an integral membrane glycoprotein, M.W. 45 kD. Anti-human CD28 binds the 44kDa MW cell surface protein on the surface of most T cells. CD28 acts as the ligand for the B7/BB-1 molecule on the surface of activated B cells. B7/BB-1 co-stimulates T cells through CD28, along with CD2 and CD3. CD28 antigen is a disulfide-linked homodimeric glycoprotein. The CD28 antigen is present on approximately 60%-80% T lymphocytes (95% of CD4 and 50% of CD8 lymphocytes). CD28 regulates the expression of cytokines by T cells, not only IL-2, but also IL-1 alpha and CSF-1, usually synthesized by accessory cells. CD28 functions as a cell adhesion molecule (CAM) for certain T cell subsets.

Isotype: Mouse IgG1 kappa and IgG1 kappa.

Clones: 17D8(CD8 FITC) and B-23 (CD28 PE).

Applications: Monitoring of activated T cell subsets in peripheral blood; Characterization of subtypes of T cell leukemias and lymphomas; Study of T lymphocyte cytokine function; Study of B cell activation; Analysis of NK cells subsets; Study of B cell activation; Study of cell mediated cytotoxicity; Study of Cell-adhesion molecules relating to T & B lymphocytes.

Use: PBMC: Add 10 μ l of MAB/ 10^6 PBMC in 100 μ 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 μ l of MAB/100 μ 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.

Storage: Antibodies are supplied in PBS, 0.08% sodium azide and 0.2% protein carrier for FITC and PE. Antibodies should be stored at $4-8^{\circ}$ C. Mabs 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 Tests	0828S
	Bi-Test	100 Tests	0828

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

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Exalpha Biologicals, Inc., 2 Shaker Rd, #B101, Shirley, MA 01464
Tel: 800.395.1137 or 978.425.1370, Fax: 866.924.5100 or 978.425.1376, Web: www.exalpha.com