



## Bi-Test™ CD8 FITC - CD38 PE

**Product:** Anti-human T and NK Lymphocytes and CD38 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 KDa. The CD38 antigen is present on approximately all pre-B lymphocytes, plasma cells and thymocytes. CD38 antigen is also expressed on activated T Lymphocytes, NK Cells, monocytes, myeloblasts and erythroblasts. CD38 is co-expressed on CD34+ cells, but is not expressed on pluripotent stem cells. CD38 antigen is present on T and B lymphoblastic leukemia (ALL), Burkitt's lymphoma, multiple myeloma and acute myeloid leukemia (AML).

**Isotype:** Mouse IgG1 kappa and IgG1 kappa.

**Clones:** 17D8(CD8 FITC) and TME-2 (CD38 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; Study of AIDS virus infection; Analysis of NK cells subsets; Study of cell mediated cytotoxicity; Study of Cell-adhesion molecules relating to T & B lymphocytes.

**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>0</sup> to 8<sup>0</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>0</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>0</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	0838s
	Bi-Test™	100 Test	0838

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

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