



Bi-Test™ CD3 FITC - CD16 PE

Product: Anti-human T cell monoclonal I antibody and anti-human NK cell monoclonal antibody.

Description: The CD3 epitope is expressed on the epsilon chain of the CD3/T cell antigen receptor (TcR) complex. CD3 is expressed on 65-85% of thymocytes and has a mitogenic effect on peripheral blood T cells. Identification of human T cells expressing the 22-28,000 M. W. surface antigen. Identification of human NK cell antigen expressing the 50 - 70 kDa M.W. surface antigen associated with the IgG Fc receptor III on NK cells and Neutrophils. CD16 is expressed on approximately 15% of peripheral blood lymphocytes and is present on all resting NK cells. CD16 may be expressed on CD3 T cells from certain individuals.

Isotype: Mouse IgG1 kappa (FITC) and Mouse IgG1 kappa (PE)

Clones: M2AB (CD3 FITC) and J5511 (CD16 PE)

Applications: Monitoring of T cells subsets in peripheral blood; Characterization of subtypes of T cell leukemia's and lymphomas; Studies of AIDS/HIV virus infection; Analysis of CD3 complex related to the T cell antigen receptor; Monitoring of NK cell subsets in peripheral blood; Analysis of NK cell levels in peripheral blood; Characterization of subtypes of leukemias; Study of AIDS virus infection.

Use: PBMC: Add 10 µl of MAB/10⁶ PBMC in 100 µl 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 µl of MAB/100 µl 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™	100 Test	0316
	Bi-Test™	50 Test	0316S

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

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