

## Bi-Test<sup>™</sup> CD8 FITC - CD45ra PE

**Product:** Anti-human T and NK Lymphocytes monoclonal antibody. and anti-human CD45ra Leucocyte Common Antigen monoclonal antibody.

**Description:** CD8 Identification of human T cells suppressor/cytotoxic expressing the 32 kDa M.W. surface antigen. CD45RA recognizes Mr. 220-kdalton of the leucocyte antigen (LCA). CD45RA antigen is a member of the CD45 antigen family that also includes CD45, CD45RO, and CD45RB antigens. CD45RA is expressed on approximately 75% of CD8 lymphocytes and 50% of CD4 lymphocytes, all B cells and NK Cells. CD45RA antigen is expressed on naive T lymphocytes, antigen density decreases upon in vitro activation. A decrease antigen density has been demonstrated for CD4+CD45RA+ subset with active multiple sclerosis.

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

Clones: 17D8 (CD8 FITC) and BHKG-2 (CD45ra PE)

**Applications:** Monitoring of T cells subsets in peripheral blood; Analysis of NK cell subsets; Study of cell mediated cytotoxicity. Studies of multiple sclerosis and other autoimmune disease.

**Use:** <u>PBMC</u>: Add10  $\mu$ 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. <u>WHOLE BLOOD</u>: 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°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 <sup>™</sup>	50 Test	845RAs
	Bi-Test™	100 Test	845RA

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

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

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