



Bi-Test™ CD 8 FITC - HLA-DR PE

Product: Anti-human CD8 FITC /T and NK subset Lymphocytes Cell Monoclonal Antibody and Anti-Human HLA-DR PE /B & T subset Lymphocyte Monoclonal Antibody.

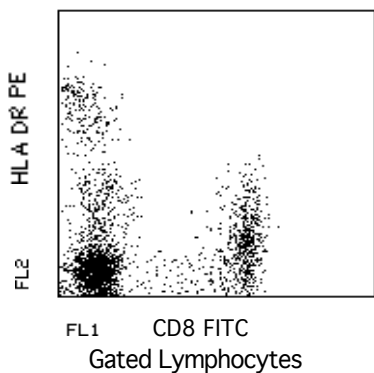
Description: Identification of human T cells suppressor/cytotoxic expressing the 32 and 43,000 M.W. surface antigen. Identification of human B cell and T cell subsets associated with approximately 10% of peripheral blood lymphocytes 28-34,000 M.W. surface antigen, also low density on monocytes and macrophages.

Isotypes: Mouse IgG-1 kappa (FITC) and Mouse IgG-2a kappa (PE)

Clones: 17D8 (CD8 FITC) and 423L (HLA-DR PE)

Applications: Monitoring of T cells subsets in peripheral blood; Characterization of subtypes of T cell leukemia's and lymphomas; Monitoring of B cells in peripheral; Study of AIDS virus infection; Analysis of NK subsets; Analysis of B cell subsets; Study of T cell activation; Study of B cell neoplasms; Study of B cell subsets.

Use: PBMC: Add 10 µl of MAB/10⁶ PBMC in 100 µl PBS. Mix gently and incubate for 15 minutes at 20^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 manufacturers instructions for Lysed Whole Blood and Immunofluorescence analysis with a flow cytometer or microscope.



Legend: Peripheral Blood Lymphocytes Stained with Exalpa's Bi-Test CD8 FITC-HLA-DR PE Two Color Staining Kit.

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	08DRS
	Bi-Test™	100 Test	08DR

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

REFERENCES:

1. IL-4 and granulocyte-macrophage colony-stimulating factor selectively increase HLA-DR and HLA-DP antigens but not HLA-DQ antigens on human monocytes. Gerrard T.L., Dyer D.R., Mostowski H.S., J. Immunol. 1990 June, 1;144(12): 4670-4
2. Structural requirements for pairing of alpha and beta chains in HLA-DR and HLA-DP molecules. Karp D.R., Teletski C.L., Jaraquemada D., Maloy W.L., Coligan J.E., Long E.O., J. Exp. Med. 1990 March ;171(3):615-28
3. Trans-activation of HLA-DR gene by hepatitis B virus X gene product. Hu K.Q., Vierling J.M., Siddiqui A., Proc. Natl. Acad. Sci. USA 1990 SEPT.; 87(18):7140-4
4. Purified primitive human hematopoietic progenitor cells with long-term in vitro repopulating capacity adhere selectively to irradiated bone marrow stroma. Verfaillie C., Blakolmer K., McGlave P., J. Exp. Med. 1990 Aug.: 172(2):509-2
5. Defective clonogenic potential of CD8+ T lymphocytes in patients with AIDS. Expansion in vivo of a nonclonogenic CD3+ CD8+ DR+ CD25- T cell population. Pantaleo G., Keonig S., Baseler M., Lane H.C., Fauci A.S., J. Immunol. 1990 Mar ; 144(5):1696-704
6. Increased circulating HLA-DR+ CD4+ T cells in systemic lupus erythematosus: alterations associated with prednisolone therapy. Raziuddin S., Nur M.A., al-Wabel A.A., Scand. J. Immunol. 1990 Feb.:31(2):139-45
7. Induction of CD4 and Susceptibility to HIV-1 Infection in Human CD8+ T Lymphocytes by Human Herpesvirus 6. Lusso,P., De Maria,A., Malnati,M., Lori,F., DeRocco,S.E., Baseler,M., Gallo,R.C., Nat. 349(6309):533-5,1991
8. Evolutionary Conservation of Surface Molecules that Distinguish T Lymphocyte Helper/Inducer and T Cytotoxic/Suppressor Subpopulations in Mouse and Man. Ledbetter,J.A., Evans,R.L., Lipinski,M., Cunningham-Rundles,C., Good,R.A., and Herzenberg,L.A., J. Exp. Med. 153,310, 1981
9. Circulating Antigen-Specific Suppressor T Cells in a Healthy Woman: Mechanism of Action and Isolation with a Monoclonal Antibody. Engleman,E.G.,Benike,C.J.,and Evans,R.L., Clin. Res. 29, 365a 1981
10. Induction of Immunoglobulin Secreting Cells in the Allogeneic Mixed Leukocyte Reaction: Regulation by Helper and Suppressor Lymphocyte Subsets in Man. Kotzin,B.L., Benike,C.J. and Engleman,E.G., J. Imm. 127,931,1981
11. CD4 and CD8 molecules can physically associate with the same T-cell receptor. Gallagher,P.F., Fazekas de St. Groth,B., Miller, J.F.A.P., Proc. Nat. Acad. Sci. 1989,86:10044

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