CD3 FITC - CD28 PE. Mouse Bi-Test™ Reagents (FITC/RPE)

Comments

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. Antihuman 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% 0flymphocytes (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.

Concentration

See vial for concentration

Ship Conditions

Room Temperature

Storage Customer

Product should be stored at 4-8ºC. DO NOT FREEZE

Stability

Reagents are stable for the period shown on the vial label when stored properly

Use

PBMC: Add10 µl of MAB/10^6 PBMC in 100 µl PBS. Mix gently and incubate for 15 minutes at 2º to 8ºC. Wash twice with PBS and analyze or fix with 0.5% v/v of paraformaldehyde in PBS and analyze. WHOLE BLOOD: Add10 µl of MAB/100 µl of whole blood. Mix gently and incubate for 15 minutes at room temperature 20ºC. 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.

Ordering Information

Catalog Number
0328S

Size
50 Tests

Form
Bi-Test (FITC/RPE) Reagent

Host/Clone
Mouse

Formulation
Provided as sterile filtered solution in phosphate buffered saline with 0.08% sodium azide and 0.2% carrier protein

Isotype
IgG1 (F)/IgG1 (PE)

Applications
Flow Cytometry

Exalpha Biologicals, Inc. 2 Shaker Road, Bldg. B101 Shirley, MA 01464
Tel: 800.395.1137 Fax: 866.924.5100 www.exalpha.com info@exalpha.com