

CD8 FITC - CD28 PE. Mouse Bi-Test™ Reagents (FITC/RPE)**COMMENTS**

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 kD. Anti-human 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% T lymphocytes (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 4-8°C. DO NOT FREEZE

STABILITY

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

USE

PBMC: Add 10 µl of MAB/10⁶ PBMC in 100 µl PBS. Mix gently and incubate for 15 minutes at 2° to 8°C. 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° 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. Mabs should not be frozen. Reagents are stable for the period shown on the vial label when stored properly.

ORDERING INFORMATION**CATALOG NUMBER**

0828

SIZE

100 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