PERFORMANCE DATA SHEET

1047

Ancell

Monoclonal anti-human CD58(LFA-3)/FITC*

mAb name/Clone: TS2/9.1.4.3

Isotype: Mouse IgG1

Immunogen: Human cytolytic T cells

CATALOG#: 210-040

QUANTITY: 120 tests

VOLUME IN VIAL: 0.2ml

WORKING DILUTION: 1:50 (or use 1.6μl of concentrated stock per 5 x 10⁵-cell test)

INFORMATION: Human CD58 is a cell surface glycoprotein that functions as an adhesion molocule and mediates costimulatory activity through its ligand CD2, which is expressed on T and natural killer cells (1,2). CD58 has wide cellular distribution on both hemopoietic and non-hemopoietic cells with strong expression on macrophages and memory T cells. Antibody TS2 recognizes the CD58 glycoprotein of about 60-70 kd and will inhibit HLA-DR mediated T cell cytotoxicity. **References:** (1) Leukocyte Typing VI (T. Kishimoto, et al, eds.) Garland Publishing, Inc., New York (1997) p. 414-415. (2) A.R. Arulanandam, et al (1994) J Exp Med 180:1861-1871.

STORAGE CONDITIONS: *Store at 2 - 5^oC*. Freeze/Thawing is not recommended. Protect from light.

PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:______

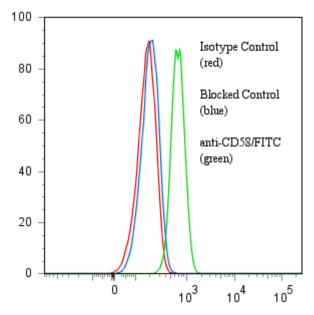
BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN₃ (as a preservative).

PRODUCTION: Protein A purified antibody from tissue culture supernatant was reacted with FITC. Unconjugated FITC was separated from antibody/FITC conjugate by desalting column. The antibody/FITC conjugate is at **0.5 mg/ml** with a Fluorescein/IgG molar ratio of 5.5.

PERFORMANCE: Five x 10^5 cultured **Nalm-6** cells were washed and incubated 45 minutes on ice with 80 μ l of anti-CD58/FITC at a **1:50** dilution factor (10 μ g/ml). Cells were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **0.6** \log_{10} fluorescent units when compared to a Mouse IgG1/FITC negative control (Catalog # 278-040) . Binding was blocked when cells were pre incubated 10 minutes with 20 μ l of 0.5 mg/ml anti-CD58 antibody (Catalog #210-020).

*For Research Use Only. Not For Use in Diagnostic Procedures

Binding of anti-CD58/FITC to human Nalm-6 cells



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