PERFORMANCE DATA SHEET
3325

Monoclonal anti-human CD58(LFA-3)*

mAb name/Clone: **TS2/9.1.4.3**
Isotype: Mouse IgG1
Immunogen: Human cytolytic T cells

CATALOG#: 210-820 (Preservative Free)
QUANTITY: 100 µg **CONCENTRATION: 1.0 mg/ml**

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^{o}C.*** **Open under aseptic conditions.** Freeze/Thawing is not recommended.

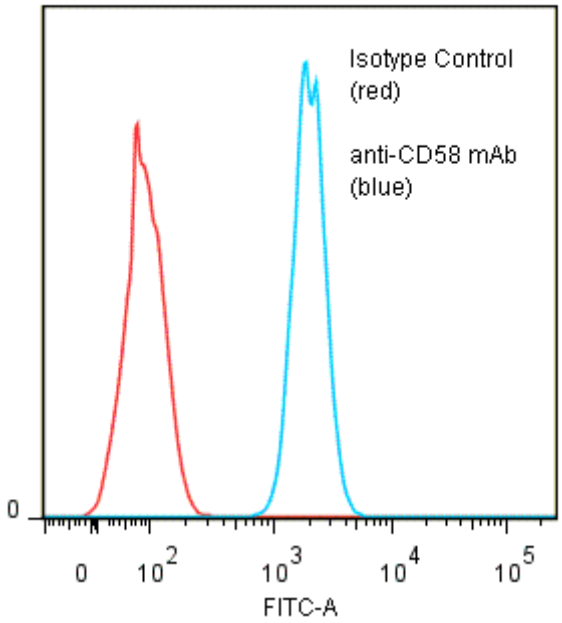
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:_____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl. Product was sterile filtered under aseptic conditions.

PRODUCTION: Antibody was Protein A purified from (low FBS containing) tissue culture supernatant. Purity was >95% Immunoglobulin by SDS-PAGE with less than 1% Bovine Immunoglobulin.

PERFORMANCE: Five x 10^5 cultured **Nalm-6** cells were washed after which they were incubated 45 minutes on ice with 80 µl of anti-CD58 antibody at **5 µg/ml**. Cells were washed twice and incubated with 2^{o} reagent Goat anti-Mouse IgG/FITC (Catalog #232-011), after which they were washed twice, fixed and analyzed by FACS. Cells stained positive with a mean shift of **1.36** $\log_{10}$ fluorescent units when compared to a Mouse IgG1 negative control (Catalog # 278-010) concentration.

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



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