



## PERFORMANCE DATA SHEET

1817

# 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 molecule 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°C. Open under aseptic conditions. Freeze/Thawing is not recommended.

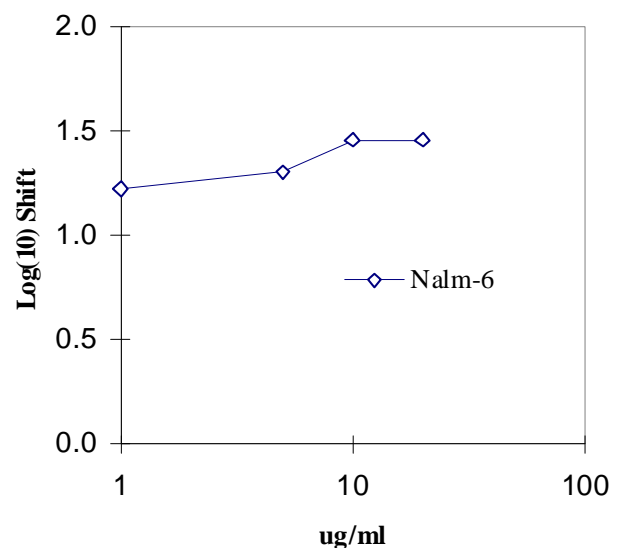
**PRODUCT STABILITY:** Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: \_\_\_\_\_

**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<sup>5</sup> cultured Nalm-6 cells were washed after which they were incubated 45 minutes on ice with 80 µl of anti-CD58 antibody at 10 µg/ml. Cells were washed twice and incubated with 2<sup>o</sup> reagent Goat anti-Mouse IgG/FITC (Catalog #232-011), after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of 1.46 log<sub>10</sub> fluorescent units when compared to a Mouse IgG1 negative control (Catalog #278-010).

**Binding of anti-CD58 antibody to human Nalm-6 cells**



*\*This Product is intended for Laboratory Research use only.*