

PERFORMANCE DATA SHEET

1818

Monoclonal anti-human CD98(4F2)*

mAb name/Clone: UM7F8

Isotype: Mouse IgG1κ

Immunogen: Molt 13 T cell line

CATALOG#: 319-820 (Preservative-free)

QUANTITY: 100 µg

CONCENTRATION: 1.0 mg/ml

INFORMATION: Human CD98 (4F2) is expressed on monocytes and activated cells. All cultured human cell lines tested express CD98. CD98 is thought to be an activation antigen. Antibody UM7F8 recognizes a 125 kd heterodimeric membrane glycoprotein CD98. Antibody UM7F8 is comitogenic with soluble anti-CD2 and immobilized anti-CD3 mAbs.

References: A.W. Friedman, et al, (1994) Cell Immunol **154**: 253-263. Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford, (1995) p. 280-283.

STORAGE CONDITIONS: *Store at 2 - 5°C.* Freeze/Thawing is not recommended. *Open under aseptic conditions.*

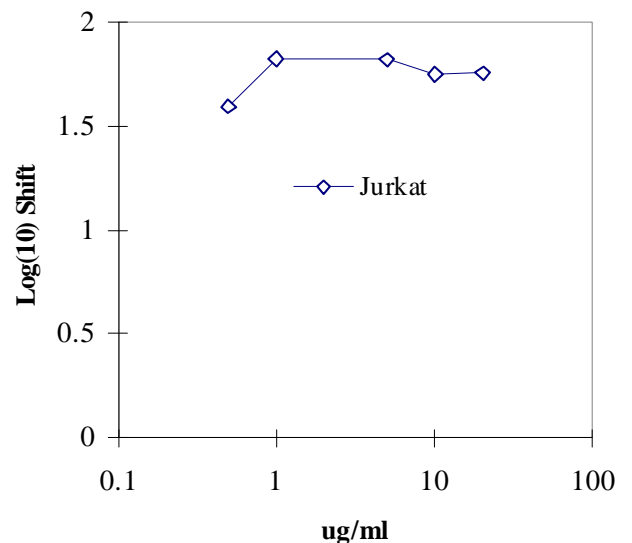
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:_____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl.

PRODUCTION: Antibody was Protein A purified from (low FBS containing) tissue culture supernatant. Purity was >95% Immunoglobulin by SDS-PAGE and contains less than 1% Bovine Immunoglobulin. Product was 0.2µ sterile filtered and vialled under aseptic conditions.

PERFORMANCE: Five x 10⁵ cultured **Jurkat** human tumor cells were washed and incubated 45 minutes on ice with 80 µl of anti-CD98 antibody at **1 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 three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **1.82 log₁₀** fluorescent units when compared to a Mouse IgG1 negative control (Catalog #278-010) at a similar concentration.

Binding of anti-CD98 antibody to human Jurkat cells



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