## PERFORMANCE DATA SHEET

23

## Monoclonal anti-human CD98(4F2)/FITC\*



*mAb name/Clone:* UM7F8 *Isotype:* Mouse IgG1κ

Immunogen: Molt 13 T cell line

CATALOG#: 319-040 QUANTITY: 120 tests

**VOLUME IN VIAL: 0.2 ml** 

**WORKING DILUTION: 1:50** (or use 1.6µl of concentrated stock per 5 x 10<sup>5</sup>-cell test)

**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 immoblized 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<sup>o</sup>C*. 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:\_\_\_\_\_

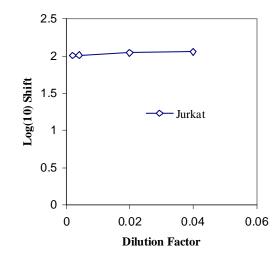
**BUFFER:** 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN<sub>3</sub> (as a preservative).

**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 **0.4 mg/ml** with a Fluorescein/IgG molar ratio of 6.4.

**PERFORMANCE:** Five x 10<sup>5</sup> cultured **Jurkat** cells were washed and incubated 45 minutes on ice with 80 μl of

anti-CD98/FITC at a **1:50** dilution. They were then washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **2.04**  $\log_{10}$  fluorescent units when compared to a Mouse IgG1/FITC negative control (Catalog #278-040) at a similar concentration. This shift was blocked when cells were pre incubated 10 minutes with 20  $\mu$ l of 0.5 mg/ml anti-CD98 antibody (Catalog #319-020).

Binding of anti-CD98/FITC to human cell lines



\*Research Use Only. Not for use in Diagnostic procedures.

Ancell Corporation P.O. Box 87 Bayport, MN 55003-0087 USA Phone: Toll free 800-374-9523 or 651-439-0835 Fax: 651-439-1940