

**PERFORMANCE DATA SHEET**

3314

**Monoclonal anti-human CD98(4F2)\***

**mAb name/Clone:** UM7F8

**Isotype:** Mouse IgG1κ

**Immunogen:** Molt 13 T cell line

**CATALOG#:** 319-020

**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.**

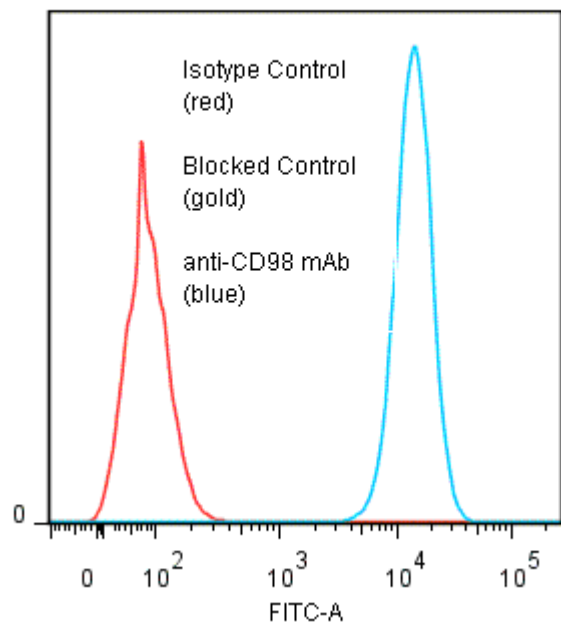
**PRODUCT STABILITY:** Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: \_\_\_\_\_

**BUFFER:** 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 0.5 mg/ml Gentamicin Sulfate (as a preservative).

**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 CEM human tumor cells were washed and incubated 45 minutes on ice with 80 µl of anti-CD98 antibody at 5 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 2.26 log<sub>10</sub> fluorescent units when compared to a Mouse IgG1 negative control (Catalog #278-010).

**Binding of anti-CD98 mAb +GAM/FITC to human CEM cells**



*\* Research use only. Not for use in Diagnostic procedures.*