

PERFORMANCE DATA SHEET

3103

Monoclonal anti-human CD98(4F2)***mAb name/Clone:** UM7F8**Isotype:** Mouse IgG1 κ **Immunogen:** Molt 13 T cell line**CATALOG#:** 319-020**QUANTITY:** 100 μ g**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.

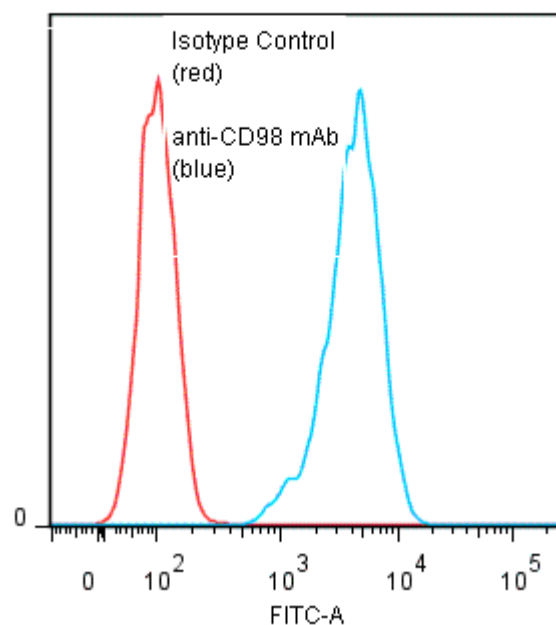
STORAGE CONDITIONS: Store at 2 - 5°C. **Freeze/Thawing is not recommended.**

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 10⁵ cultured **Raji** human tumor cells were washed and incubated 45 minutes on ice with 80 μ l of anti-CD98 antibody at **5 μ g/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 **1.57** log₁₀ fluorescent units when compared to a Mouse IgG1 negative control (Catalog #278-010).

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

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