

PERFORMANCE DATA SHEET

3103

Monoclonal anti-human CD98(4F2)***mAb name/Clone:** UM7F8**Isotype:** Mouse IgG1 κ **Immunogen:** Molt 13 T cell line**CATALOG#:** 319-820 (Preservative-free)**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.

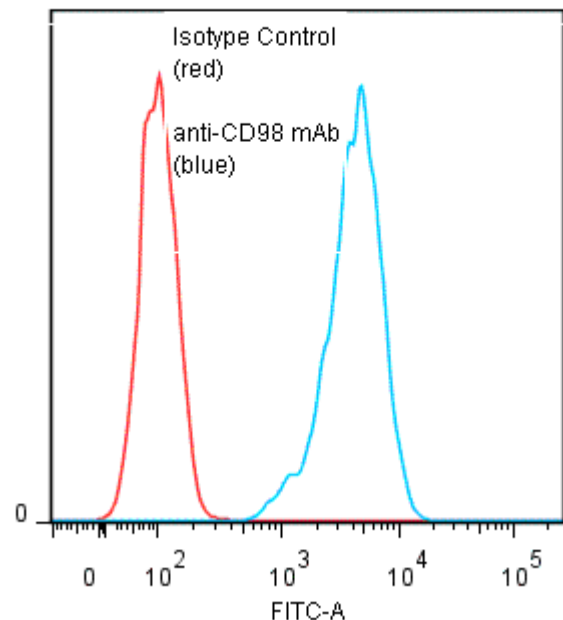
STORAGE CONDITIONS: Store at 2 - 5°C. Freeze/Thawing is not recommended. **Open under aseptic conditions.**

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 0.2 μ sterile filtered and **vialled under aseptic conditions.**

PERFORMANCE: Five x 10⁵ cultured **Raji** 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.**