

**PERFORMANCE DATA SHEET**

2129

**Monoclonal anti-human CD22\*****mAb name/Clone:** RFB4**Isotype:** Mouse IgG1**Immunogen:** Human tonsil lymphocytes**CATALOG#:** 171-820 (Preservative-free)**QUANTITY:** 100 µg**CONCENTRATION:** 1.0 mg/ml

**INFORMATION:** Human CD22 expression is restricted to normal Ig<sup>+</sup> mature B cells and neoplastic B cells. CD22 is a transmembrane glycoprotein of 140 kd with a predicted adhesion molecule function. Antibody RFB4 recognizes a CD22 molecule of about 140 kd.

**References:** D. Campana, et al, (1985) J Immunol **134**: 1524-1530. J.L. Li, et al, (1989) Cell Immunol **118**: 85-99. Leukocyte Typing IV (W. Knapp, et al, eds.) Oxford University Press, Oxford, (1989) p. 190-193. Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford, (1995) p. 523-530. D. Shan & O.W. Press, (1995) J Immunol **154**: 4466-4475.

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

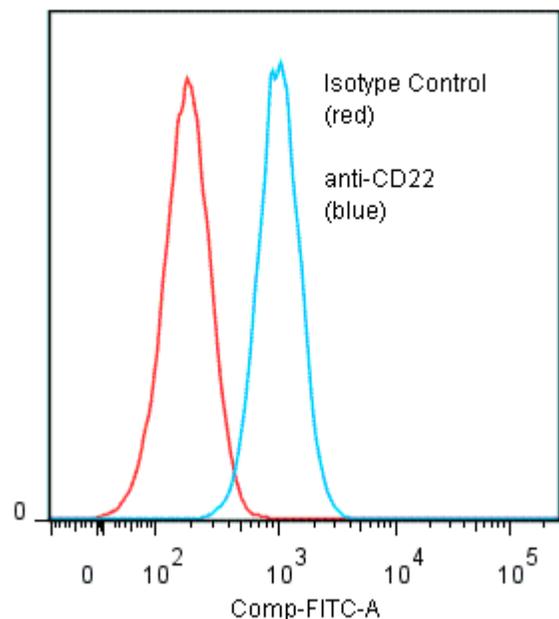
**PRODUCT STABILITY:** Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: \_\_\_\_\_

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

**PERFORMANCE:** Five x 10<sup>5</sup> cultured **Raji** cells were incubated 45 minutes on ice with 80 µl of anti-CD22 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 **0.74** log<sub>10</sub> fluorescent units when compared to a Mouse IgG1 negative control (Catalog #278-010) at a similar concentration.

**Binding of anti-CD22 mAb +GAM/FITC to human Raji cells**



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