

PERFORMANCE DATA SHEET

1818

Monoclonal anti-human CD79b(BCR-Ig β)/FITC*

mAb Name/Clone: SN8/3A2-2E7

Isotype: Mouse IgG1 κ

Immunogen: Membrane preparation of human B prolymphocytic leukemia cells

CATALOG#: 301-040

QUANTITY: 120 tests

VOLUME IN VIAL: 0.2ml

WORKING DILUTION: 1:50 (or use 1.6 μ l of concentrated stock per 5 x 10⁵-cell test)

INFORMATION: Human CD79b is the B cell antigen receptor Ig β chain (BCR-Ig β) which associates with B cell antigen receptor Ig α chain to form a functional heterodimer that interacts with membrane immunoglobulin (mIg). The mIgM component binds antigen and the Ig α /Ig β heterodimer transduces signals. Antibody SN8 recognizes the extracellular part of the BCR complex β chain (CD79b) which has a molecular weight of approximately 38 kd
References: M. Okazaki, et al, (1993) *Blood* **81**: 84-94. S. Vasile, et al, (1994) *Mol Immunol* **31**: 419-427. A.L. DeFranco, et al, (1994) *Chem Immunol* **59**: 156-172. Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford, (1995) p. 667-675, 677-681. Chu PG, Arber DA. (2001) *Appl Immunohistochem Molecul Morphol* **9**: 97-106.

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

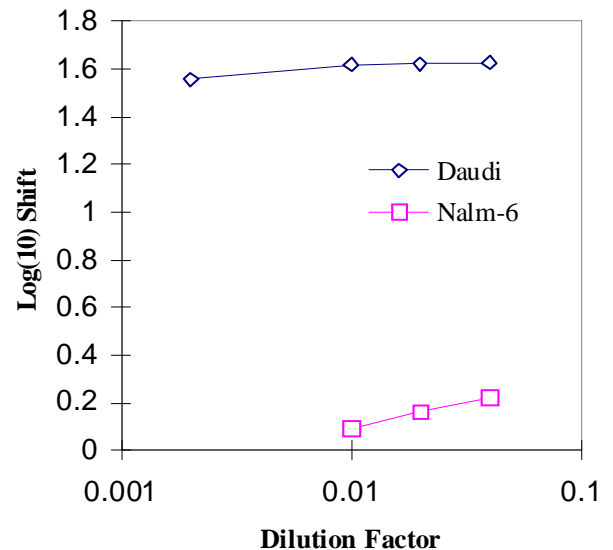
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: _____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN₃ (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 0.5 mg/ml with a Fluorescein/IgG molar ratio of 5.7.

PERFORMANCE: Five x 10⁵ cultured Daudi cells were washed and incubated 45 minutes on ice with 80 μ l of anti-CD79b/FITC at a 1:50 dilution factor (10 μ g/ml). Cells were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of 1.62 log₁₀ fluorescent units when compared to a Mouse IgG1/FITC negative control (Catalog #278-040) at a similar concentration. Binding was blocked when cells were pre incubated 10 minutes with 20 μ l of 0.5 mg/ml anti-CD79b antibody (Catalog #301-020).

Binding of anti-CD79b/FITC to human cells



*This Product is intended for Laboratory Research use only.