

PERFORMANCE DATA SHEET

1818

Monoclonal anti-human CD79b(BCR-Igβ)*

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

Isotype: Mouse IgG1κ

Immunogen: Membrane preparation of human B prolymphocytic leukemia cells

CATALOG#: 301-820 (Preservative-free)

QUANTITY: 100 µg

CONCENTRATION: 1.0 mg/ml

INFORMATION: Human CD79b is the B cell antigen receptor Igβ chain (BCR-Igβ) which associates with B cell antigen receptor Igα chain to form a functional heterodimer that interacts with membrane immunoglobulin (mIg). The mIgM component binds antigen and the Igα/Igβ 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. *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 0.2µ sterile filtered and vialled under aseptic conditions.

PERFORMANCE: Five x 10⁵ cultured **Daudi** human tumor cells were incubated 45 minutes on ice with 80 µl of anti-CD79b antibody at **5 µg/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 **1.50** log₁₀ fluorescent units when compared to a Mouse IgG1 negative control (Catalog #278-010) at a similar concentration.

**This Product is intended for Laboratory Research use only.*

Binding of anti-CD79b antibody to human cell lines

