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 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^oC. Freeze/Thawing is not recommended. Open under aseptic conditions.

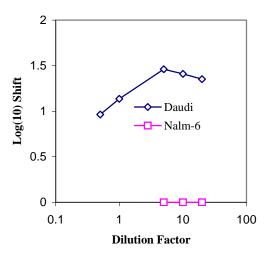
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:______

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 vialed under aseptic conditions.

PERFORMANCE: Five x 10^5 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° 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

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