## PERFORMANCE DATA SHEET

2845

## 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:\_\_\_\_\_

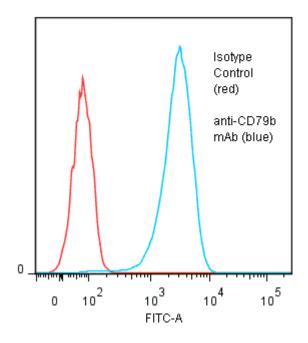
**BUFFER:** 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl.

**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  $0.2\mu$  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  $\mu$ l of anti-CD79b antibody at **5**  $\mu$ g/ml. Cells were washed twice and incubated with  $2^0$  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 **1.62**  $\log_{10}$  fluorescent units when compared to a Mouse IgG1 negative control (Catalog #278-010).

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

## Binding of anti-CD79b mAb +GAM/FITC to human Daudi cells



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