

PERFORMANCE DATA SHEET

2723

Monoclonal anti-human CD79b(BCR-Igβ)/R-PE*

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

Isotype: Mouse IgG1κ

Immunogen: Membrane preparation of human B prolymphocytic leukemia cells

CATALOG#: 301-050

QUANTITY: 120 tests

VOLUME IN VIAL: 0.2 ml

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

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. Do not freeze! Protect from light.

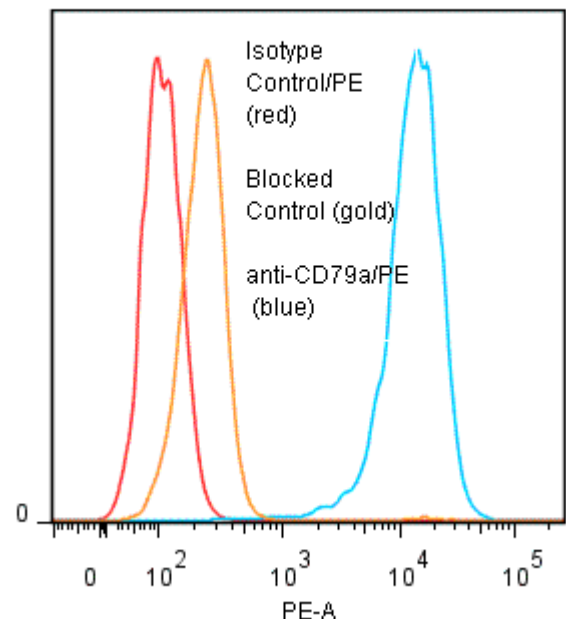
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: _____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 500 mM Potassium Chloride, 150mM NaCl, 15% Glycerol, 0.2% BSA, 0.04% NaN₃ (as a preservative).

PRODUCTION: Protein A purified antibody from tissue culture supernatant was conjugated to R-Phycoerythrin through a sulfo-ester linkage. Unconjugated antibody was removed using size exclusion chromatography. Antibody conjugate is at **0.5 mg/ml**.

PERFORMANCE: Five x 10⁵ cultured **Daudi** cells were washed and incubated 45 minutes on ice with 80 µl of anti-CD79b/R-PE at a dilution factor of **1:50** (10µg/ml). Cells were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **2.11 log₁₀** fluorescent units when compared to a Mouse IgG1/PE negative control (Catalog #278-050). Binding was blocked when cells were pre incubated 10 minutes with 20 µl of 0.5 mg/ml unconjugated anti-CD79b antibody (Catalog #301-020).

Binding of anti-CD79a/PE to human Daudi cells



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