PERFORMANCE DATA SHEET
1818

Monoclonal anti-human CD79b(BCR-Igβ)/FITC*

mAb Name/Clone: SN8/3A2-2E7
Isotype: Mouse IgG1κ
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 1.6µl of concentrated stock per 5 x 10^5-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***. Freeze/Thawing is not recommended. Protect from light.

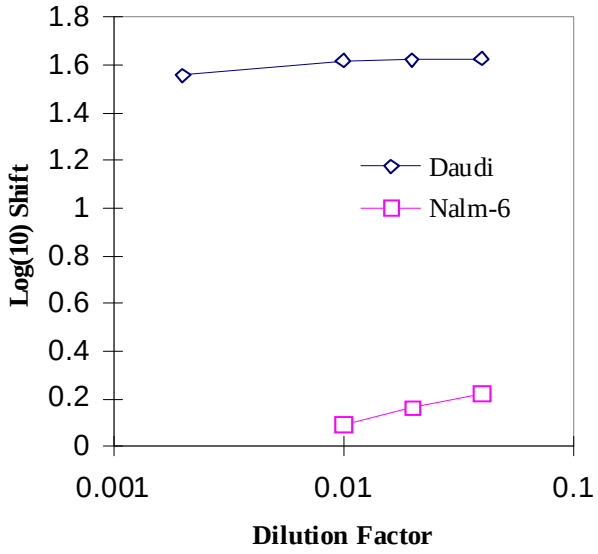
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:_____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN_3 (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 10^5 cultured **Daudi** cells were washed and incubated 45 minutes on ice with 80 µl of anti-CD79b/FITC at a **1:50** dilution factor (10 µg/ml). Cells 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/FITC negative control (Catalog #278-040) at a similar concentration. Binding was blocked when cells were pre incubated 10 minutes with 20 µl of 0.5 mg/ml anti-CD79b antibody (Catalog #301-020).

Binding of anti-CD79b/FITC to human cells



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