

PERFORMANCE DATA SHEET

1747

Monoclonal anti-human CD75/FITC *

mAb name/Clone: LN1

Isotype: Mouse IgM

Immunogen: PMA stimulated PBL

CATALOG#: 228-040

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 CD75 is an alpha 2, 6-sialylated carbohydrate molecule found mainly on mature B cells and germinal center B cells. CDw75 appears to be a ligand for CD22. Antibody LN1 recognizes a molecule of about 53 kd.

References: (1) A.L. Epstein, et al, (1984) J Immunol 133:1028-1036. (2) Leukocyte Typing IV (W. Knapp, et al, eds.) Oxford University Press, Oxford, (1989) p. 109-112. (3) Leukocyte Typing VI (T. Kishimoto, et al, eds.) Garland Publishing, Inc., New York (1997) p. 169-171.

STORAGE CONDITIONS: Store at 2 - 5°C. Do Not Freeze. Protect from light.

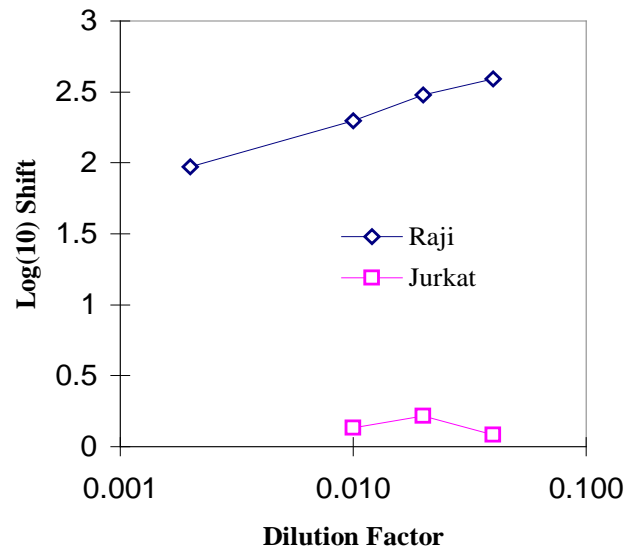
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: _____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN₃ (as a preservative).

PRODUCTION: Antibody from (low FBS containing) tissue culture supernatant was size exclusion purified to 90% Immunoglobulin by SDS-PAGE, and reacted with FITC. Unconjugated FITC was removed from conjugate using a desalting column. Antibody conjugate is at **0.5 mg/ml** with a Fluorescein/IgM molar ratio of 62.6.

PERFORMANCE: Five x 10⁵ cultured **Raji** cells were washed and incubated 45 minutes on ice with 80 µl of anti-CD75/FITC at a **1:50** dilution (10 ug/ml). Cells were then washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **2.48** log₁₀ fluorescent units when compared to a Mouse IgM/FITC negative control (Catalog # 290-040) at a similar concentration. Binding was blocked when cells were pre incubated with anti-CD75 antibody (Catalog #228-020).

Binding of anti-CD75/FITC to human cell lines



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