

PERFORMANCE DATA SHEET

2149

Monoclonal anti-human CD75/Biotin*

mAb name/Clone: LN1

Isotype: Mouse IgM

Immunogen: PMA stimulated PBL

CATALOG#: 228-030

QUANTITY: 100 µg

CONCENTRATION: 1.0 mg/ml

INFORMATION: Human CD75 is an alpha 2, 6-sialylated carbohydrate molecule found mainly on mature B cells and germinal center B cells. CD75 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. Freeze/thawing not recommended.

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, 500mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% Na₃ (as a preservative).

PRODUCTION: Antibody from (low FBS containing) tissue culture supernatant was Protein A purified to >95% mouse immunoglobulin by SDS-PAGE (<1% bovine immunoglobulin), and reacted with NHS-Biotin. Unconjugated Biotin was removed from conjugate using a desalting column.

PERFORMANCE: Five x 10⁵ cultured Raji human tumor cells were incubated 45 minutes on ice with 80 µl of anti-CD75/Biotin at 10 µg/ml. Cells were washed twice and incubated with 2^o reagent Streptavidin/R-Phycoerythrin (Catalog #253-050), after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of 2.58 log₁₀ fluorescent units when compared to a Mouse IgM/Biotin Isotype control (Catalog #290-030). Binding was blocked when cells were pre incubated 10 minutes with 20 µl of 0.5 mg/ml anti-CD75 antibody (Catalog #228-020).

***Research use only. Not for use in Diagnostic procedures.**

Binding of anti-CD75/Biotin +SA/PE to human Raji cells

