Monoclonal **anti-human CD75***

Ancell™

> ***mAb name/Clone:*** **LN1**
> ***Isotype:*** Mouse IgM
> ***Immunogen:*** PMA stimulated PBL

CATALOG#: 228-020

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, as well as T cell subsets and erythroid cells. CD75 appears to be a ligand for CD22. Antibody LN1 recognizes the CD75 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.

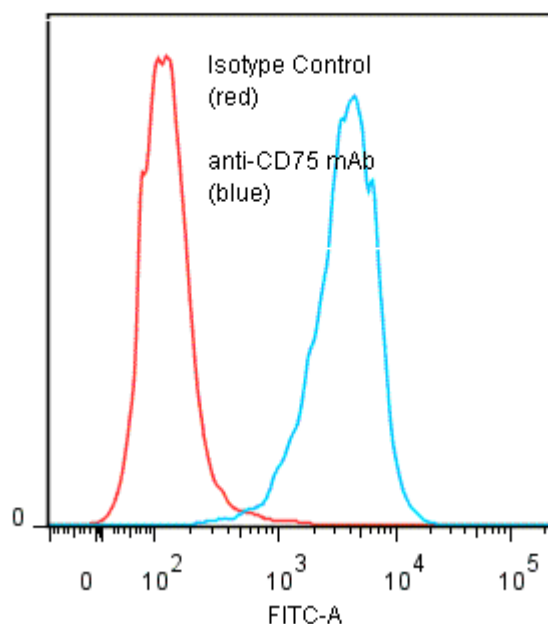**STORAGE CONDITIONS:** ***Store at 2 - 5ºC***. Freeze/Thawing is not recommended.

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, 500 mM Potassium Chloride, 150mM NaCl, 0.5 mg/ml Gentamicin Sulfate (as a preservative).

PRODUCTION: Antibody from (low FBS containing) tissue culture supernatant was purified to 95% mouse immunoglobulin by SDS-PAGE (<1% bovine immunoglobulin) using size exclusion chromatography.

PERFORMANCE: Five x 10^5 cultured human **Raji** cells were washed and incubated 45 minutes on ice with 80 μl of anti-CD75 antibody at **10 μg/ml**. Cells were washed twice and incubated with 2^O reagent Goat anti-Mouse IgG/FITC (Catalog #232-011, this second step reagent cross reacts well with Mouse IgM). They were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **1.45** $\log_{10}$ fluorescent units when compared to a Mouse IgM negative control (Catalog # 290-010).

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

Binding of anti-CD75 mAb +GAM/FITC to human Raji cells

Isotype Control (red)

anti-CD75 mAb (blue)