

**PERFORMANCE DATA SHEET**

2233

**Monoclonal anti-human CD17(lactosylceramide)/Biotin\***

**mAb name/Clone:** Huly-m13/H018.3G-6.F5

**Isotype:** Mouse IgMκ

**Immunogen:** Human beta-2 microglobulin associated proteins from a detergent lysate of PBL

**CATALOG#:** 166-030

**QUANTITY:** 100 µg

**CONCENTRATION:** 1.0 mg/ml

**INFORMATION:** Antibodies to human CD17 react with lactosylceramide which is expressed on granulocytes, monocytes, platelets, and basophils (1). CD17 expression is downmodulated on activated granulocytes. Antibody Huly-m13 recognizes CD17 on myeloid cells.

**References:** (1)Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford (1995) p. 822-823.

**STORAGE CONDITIONS:** Store at 2 - 5°C. Freeze/thawing not recommended.

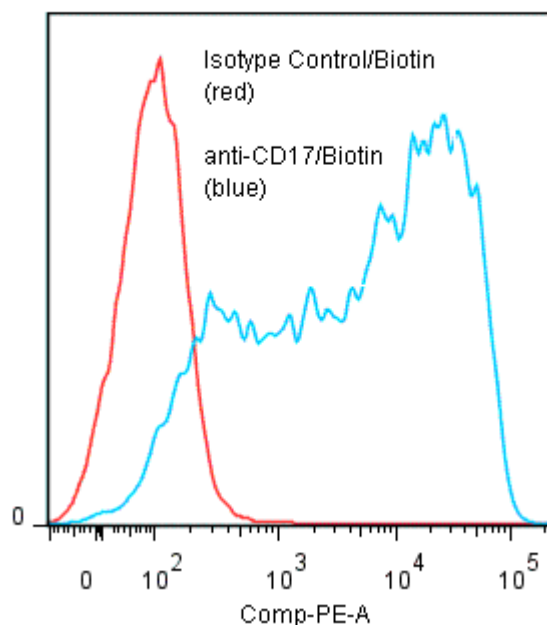
**PRODUCT STABILITY:** Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: \_\_\_\_\_

**BUFFER:** 50 mM Sodium Phosphate pH 7.5, 500 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN<sub>3</sub> (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 10<sup>5</sup> cultured **Nalm-6** human tumor cells were washed and preincubated 5 minutes with 20 µl of 250 µg/ml human IgG (To block non specific binding) after which they were incubated 45 minutes on ice with 80 µl of anti-CD17/Biotin at **10 µg/ml**. Cells were washed twice and incubated with 2<sup>o</sup> 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 **2.13** log<sub>10</sub> fluorescent units when compared to a Mouse IgM/Biotin negative control (Catalog # 290-030). Binding was blocked when cells were pre incubated 10 minutes with 20 µl of 0.5 mg/ml anti-CD17 antibody (Catalog #166-020).

**Binding of anti-CD17/Biotin + SA/PE to human Nalm-6 cells**



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