**PERFORMANCE DATA SHEET**
**2631**

# *Monoclonal* anti-human CD17(lactosylceramide)/FITC *

***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#: 166-040**
**QUANTITY: 120 tests** **VOLUME IN VIAL: 0.2 ml**
**WORKING DILUTION: 1:50** (or 1.6 µl concentrated stock per 5 x $10^5$-cell test)

**INFORMATION:** Antibodies to human CD17 react with lactosylceramide which is expressed on granulocytes, monocytes, platelets, and basophils (1). CD17 expression is down modulated 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 is not recommended. Protect from light.

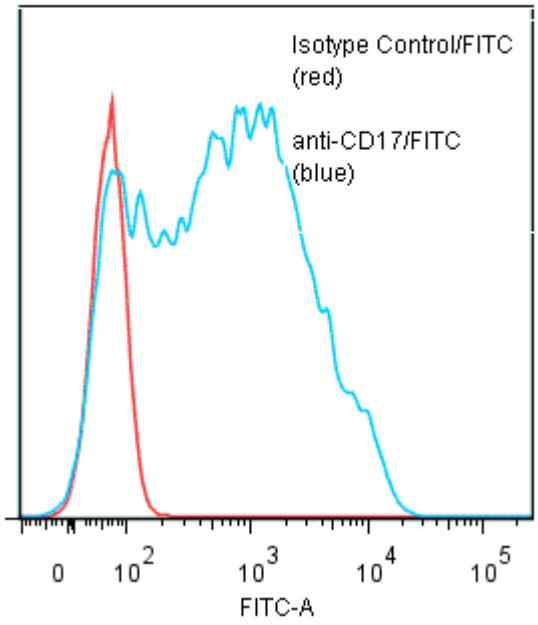
**PRODUCT STABILITY:** Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:_____

**BUFFER:** 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 500mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% $NaN_3$ (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 **0.25 mg/ml** with a Fluorescein/IgM molar ratio of 43.4.

**PERFORMANCE:** Five x $10^5$ cultured **Nalm-6** cells were washed and incubated 45 minutes on ice with 80 µl of anti-CD17/FITC at a **1:50** dilution (5µg/ml). Cells were then washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **1.38** $\log_{10}$ fluorescent units when compared to a Mouse IgM/FITC negative control (Catalog #290-040). 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/FITC to human Nalm-6 cells**

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