## PERFORMANCE DATA SHEET

2651

## Ancell

## Monoclonal anti-human CD15(Lewisx)/Biotin\*

*mAb name/Clone:* AHN1.1 *Isotype:* Mouse IgM

Immunogen: Human neutrophils

**CATALOG#: 164-030 QUANTITY: 100 μg** 

**CONCENTRATION: 1.0 mg/ml** 

**INFORMATION:** Human CD15 is expressed by neutrophils, eosinophils and monocytes. Antibodies in this cluster recognize a common terminal pentasaccharide found on cell surface glycoproteins and glycolipids. Antibody AHN1.1 reacts with the terminal pentasacchride lacto-N-fucopentaose III known as Lewis <sup>X</sup>. Antibody AHN1.1 activates normal monocytes and inhibits neutophil chemotaxis.

**References:** Leukocyte Typing IV (W. Knapp, et al, eds.) Oxford University Press, Oxford, (1989) p. 798-810. M.A. Kerr & S.C. Stocks, (1992) Histochem J **24:** 811-826. Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford, (1995) p. 790-800.

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

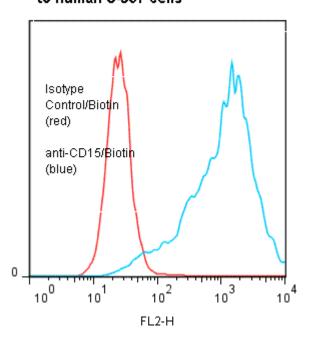
**PRODUCT STABILITY:** Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:\_\_\_\_\_

**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 size exclusion 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 **U-937** cells were washed and preincubated with 20 μl human IgG at 250 μg/ml (to block non specific binding) after which they were and incubated 45 minutes on ice with 80 μl of anti-CD15/Biotin at **10 μg/ml**. Cells were then washed twice and incubated 45 minutes with 20 μl of 2<sup>0</sup> reagent Streptavidin R-Phycoerythrin (Catalog #253-050), after which they were were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **1.70** fluorescent units when compared to a Mouse IgM/Biotin negative control (Catalog # 290-030). Binding was blocked when pre incubated 10 minutes with 20 μl of 0.5 mg/ml anti-CD15 antibody (Catalog #164-020).

## Binding of anti-CD15/Biotin +SA/PE to human U-937 cells



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<sup>\*</sup>Research use only. Not for use in Diagnostic procedures.