

**PERFORMANCE DATA SHEET**

1536

***Monoclonal anti-human CD15(Lewis<sup>X</sup>)\****

***mAb name/Clone:*** AHN1.1

***Isotype:*** Mouse IgM

***Immunogen:*** Human neutrophils

**CATALOG#:** 164-020

**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. Do not Freeze!*

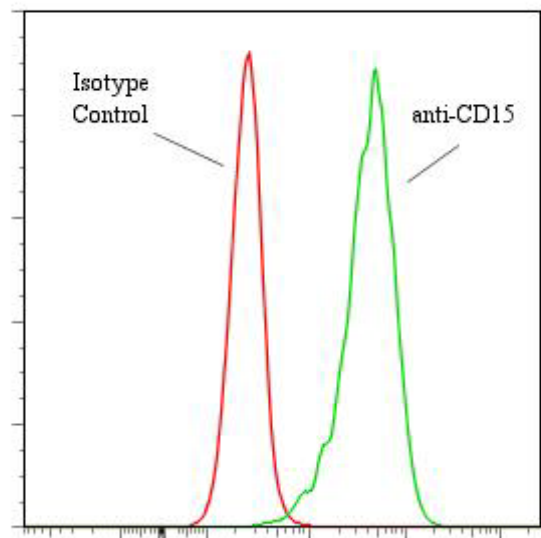
**PRODUCT STABILITY:** Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:\_\_\_\_\_

**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<sup>5</sup> cultured **U-937** human tumor cells were incubated 45 minutes on ice with 80 µl of anti-CD15 antibody at **5 µg/ml**. Cells were washed twice and incubated with 2<sup>o</sup> reagent Goat anti-Mouse IgG/FITC (Catalog #232-011), after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **1.47 log<sub>10</sub>** fluorescent units when compared to a Mouse IgM negative control (Catalog #290-010) at a similar concentration.

**Binding of anti-CD15 Ab + GAM/FITC to human U-937 cells**



***\*This Product is intended for Laboratory Research use only.***