

PERFORMANCE DATA SHEET

1536

Monoclonal anti-human CD15(Lewis^X)***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^X. 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 10⁵ 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^o 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 log₁₀** 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-CD15 Ab + GAM/FITC to human U-937 cells