

PERFORMANCE DATA SHEET

1818

*Monoclonal anti-human CD56 (NCAM)**

mAb name/Clone: ANC7C7

Isotype: Mouse IgG1 κ

Immunogen: Recombinant soluble human CD56 (1st four Ig-like domains)

CATALOG#: 308-820 (Preservative-free)

QUANTITY: 100 μ g

CONCENTRATION: 1.0 mg/ml

INFORMATION: Human CD56 is an adhesion molecule from the Ig superfamily which is restricted to NK cells in the immune system. It is believed that NK cells form a first line of defense against tumor cells and cells infected with bacteria and viruses. Antibody ANC7C7 recognizes an epitope within the first four Ig-like domains of the CD56 molecule.

References: S.P. Bourne, et al, (1991) J Neuro-Oncol **10**: 111-119. T.L. Whiteside and R.B. Herberman (1994) Clinical & Diagnostic Laboratory Immunology. H. Spits, et al, (1995) Blood **85**: 2654-2670.

STORAGE CONDITIONS: *Store at 2 - 5°C.* Freeze/Thawing is not recommended. *Open under aseptic conditions.*

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, 150mM NaCl.

PRODUCTION: Antibody was Protein A purified from (low FBS containing) tissue culture supernatant. Purity was >95% Immunoglobulin by SDS-PAGE and contains less than 1% Bovine Immunoglobulin. Product was 0.2 μ sterile filtered and vialled under aseptic conditions.

PERFORMANCE: Five x 10⁵ ficoll prepared **human peripheral blood mononuclear cells** were washed and pre incubated 5 minutes with 20 μ l of 250 μ g/ml human IgG (to block non specific binding) after which they were incubated 45 minutes on ice with 80 μ l of anti-CD56 antibody at **10 μ g/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. A net **15%** sub population of the cells stained positive with a mean shift of **0.91** log₁₀ fluorescent units when compared to a Mouse IgG1 negative control (Catalog #278-010) at a similar concentration.

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