PERFORMANCE DATA SHEET
1818

Monoclonal anti-human CD56 (NCAM)*

mAb name/Clone: **ANC7C7**
Isotype: Mouse IgG1κ
Immunogen: Recombinant soluble human CD56 (1st four Ig-like domains)

CATALOG#: 308-020
QUANTITY: 100 μg **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.

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, 0.5 mg/ml Gentamicin Sulfate (as a preservative).

PRODUCTION: Antibody was Protein A purified from (low FBS containing) tissue culture supernatant. Purity was >95% Immunoglobulin by SDS-PAGE with less than 1% Bovine Immunoglobulin.

PERFORMANCE: Five x 10^5 ficoll prepared **human peripheral blood mononuclear cells** were washed and pre incubated 5 minutes with 20 μl of 250 μg/ml human IgG (to block non specific binding) after which they were incubated 45 minutes on ice with 80 μl of anti-CD56 antibody at **10 μg/ml**. Cells were washed twice and incubated with 2° 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** $\log_{10}$ 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.***

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