

## PRODUCT INFORMATION SUMMARY

### Anti-CD56 (NCAM)

Purified Antibody	Product Number NK560020	0.1 mg
FITC Conjugate	Product Number NK560030	100 tests 1.0 mL
Phycoerythrin	Product Number NK560070	100 Tests 1.0 mL

#### ANTIGEN DISTRIBUTION AND SPECIFICITY:

The CD56 antigen is an isoform of the Neural Cell Adhesion Molecule (N-CAM) with a molecular weight of approximately 180 kilodaltons. This antigen is expressed on neuroectodermal cells and cells with natural killer cell activity. CD56 is expressed on 10-20% of peripheral blood mononuclear cells.

Known species **X-Reactivity:** **Rhesus Monkey**

#### CLONE:

MEM188      Immunoglobulin chain composition: Mouse IgG2a, kappa

#### CONJUGATION:

Fluorescein isothiocyanate; R-PE

#### HANDLING AND STORAGE:

All conjugates and purified monoclonal antibody are supplied in liquid form. All conjugates should be protected from exposure to light. Reagents will be in a medium containing 0.01M phosphate-buffered saline, pH 7.4, 0.2% gelatin and 0.1% sodium azide. These preparations should be diluted in a protein-containing or other stabilizing medium to a concentration suitable for use in specific protocols. All reagents in a liquid state should be stored at 2-8° C when not in use.

#### PRODUCT USE:

For flow cytometry **use 10 uL** per test; For immunohistochemistry, Purified Anti-CD56 should be diluted 1:10 - 1:40, using enough reagent to cover the tissue section or cytoprep.

\* R-phycoerythrin is registered under U.S. patent numbers 4,520,110 and 4,859,582.

**RESEARCH APPLICATIONS:**

Enumeration of peripheral blood NK cells by flow cytometry, and immunofluorescence or immunoenzymatic staining.

Workshop Typed Clone: IV International Leukocyte Workshop

**CAUTION:**

Reagents contain sodium azide, a preservative which may react with lead joints in copper drain lines to form explosive compounds. Even though reagents contain minute quantities of sodium azide, drains should be thoroughly flushed with water when reagents are discarded.

**WARRANTY:**

Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the description on the label of the product.

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