

## Product Information

Contents: Phycoerythrin (PE) anti-human CD56 (N-CAM, NCAM)

Catalog Number: 12-0569

Sizes: 25 tests, 100 tests

Formulation: Phosphate buffer pH 7.2, 150 mM NaCl, 0.09% NaN<sub>3</sub>, 0.2% BSA

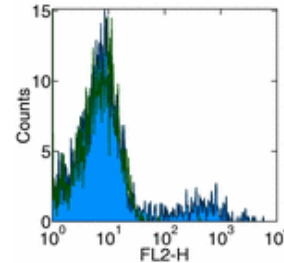
Storage Conditions: Store at 4°C. DO NOT FREEZE.

LIGHT-SENSITIVE MATERIAL.

Clone: MEM188 (MEM-188)

Isotype: Mouse IgG2a, κ

HLDA No.: VI NK26



Surface staining of normal human peripheral blood cells with anti-human CD56 (MEM188) PE. Appropriate isotype controls were used (open histogram). Cells in the lymphocyte population were used for analysis.

### Available Formats of This Product

| Cat. No. | Format   | Excite (nm) | Emit (nm) | Reported Applications |
|----------|--|-------------|-----------|-----------------------|
| 11-0569  | FITC anti-human CD56 (N-CAM, NCAM)                           | 488         | 518       | FC                    |
| 12-0569  | PE anti-human CD56 (N-CAM, NCAM)                             | 488         | 575       | FC                    |
| 14-0569  | Affinity Purified anti-human CD56 (N-CAM, NCAM)              | N/A         | N/A       | FC IP                 |
| 16-0569  | Functional Grade* Purified anti-human CD56 (N-CAM, NCAM)     | N/A         | N/A       | FC                    |
| 35-0569  | Phycoerythrin-Cy5.5 (PE-Cy5.5) anti-human CD56 (N-CAM, NCAM) | 488         | 690       | FC                    |

\*Functional Grade™ (FG™): Azide-free, sterile-filtered, and endotoxin < 0.001 ng/μg.  
Purified: Contains azide, not sterile-filtered, and not endotoxin tested.

## Description

The MEM188 monoclonal antibody reacts with human CD56, also known as Neural Cell Adhesion Molecule (NCAM). CD56 is a highly glycosylated transmembrane molecule expressed by neurons and plays a role in the homotypic adhesion of neural cells. In the hematopoietic system, CD56 is expressed on NK cells and a subset of T cells referred to as NKT cells.

## Usage

For research use only, not for diagnostic or therapeutic use. The MEM188 (MEM-188) antibody has been reported for use in flow cytometric analysis.

## Applications Tested

The MEM188 antibody has been pre-titrated and tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at 20 μl per 100 μl blood (or per 1 million cells in 100 μl total staining volume).

## Related Products

- Cat. 11-0569 FITC anti-human CD56 (N-CAM, NCAM) (clone MEM188 (MEM-188))
- Cat. 14-0569 Affinity Purified anti-human CD56 (N-CAM, NCAM) (clone MEM188 (MEM-188))
- Cat. 12-4724 Phycoerythrin (PE) Mouse IgG2a, K Isotype Control

## References

Kishimoto, T., A.E.G., von dem Borne, et al. eds. 1998. Leucocyte Typing VI: White Cell Differentiation Antigens. Garland

Publishing, Inc. London.

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