

TECHNICAL DATA SHEET

CyFlow™ CD56 PE-Cy5 **Anti-Hu; Clone MEM-188**

REF CL119395

For Research Use Only.
Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	CD56
Alternative Names	NCAM
Clone	MEM-188
Clonality	monoclonal
Format	PE-Cy5
Host / Isotype	Mouse / IgG2a
Species Reactivity	Human, Non-Human Primates
Negative Species Reactivity	—
Quantity	100 tests
Immunogen	KG-1 human acute myelogenous leukemia cell line

Specificity

The mouse monoclonal antibody MEM-188 recognizes a 180 kDa isoform of CD56 antigen expressed in leukocytes. It has been suggested that the antibody MEM-188 could react with rhesus monkey lymphocytes. Reactivity with other NCAM isoforms has not been tested.

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Application

The reagent is designed for Flow Cytometry analysis of human blood cells. Recommended usage is 4 µl reagent / 100 µl of whole blood or 10⁶ cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.

Other usages may be determined from the scientific literature.

Storage Buffer

The reagent is provided in stabilizing phosphate buffered saline (PBS) solution, pH ≈7.4, containing 0.1% (w/v) sodium azide.

Storage and Stability

Storage	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
Stability	Do not use after expiration date stamped on vial label.

Background Information

CD56 (NCAM; neural cell adhesion molecule) is a transmembrane glycoprotein of immunoglobulin family serving as adhesive molecule which is ubiquitously expressed in nervous system, usually as 120 kDa, 140 kDa or 180 kDa isoform, and it is also found on T cells and NK cells. Polysialic modification results in reduction of CD56-mediated cell adhesion and is involved in cell migration, axonal growth, pathfinding and synaptic plasticity. CD56 is a widely used neuroendocrine marker with a high sensitivity for neuroendocrine tumours and ovarian granulosa cell tumors.

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The Safety Data Sheet for this product is available at www.sysmex-partec.com/services.

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