

T7-231-T100

## Monoclonal Antibody to CD56 PE-Cy<sup>™</sup>7 conjugated (100 tests)

Clone: MEM-188

**Isotype:** Mouse IgG2a

Specificity: The antibody MEM-188 reacts with a 180 kDa isoform of CD56 (NCAM) 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.

HLDA VI; WS code A055 HLDA VI; WS Code NK26 HLDA VII; WS code 70077

Regulatory Status: RUO

**Immunogen:** KG-1 human acute myelogenous leukemia cell line

Species Reactivity: Human, Non-Human Primates

Preparation: The purified antibody is conjugated with tandem dye PE-Cy™7 under optimum

conditions. The conjugate is purified by size-exclusion chromatography and

adjusted for direct use. No reconstitution is necessary.

Storage Buffer: The reagent is provided in stabilizing phosphate buffered saline (PBS) solution

containing 15mM sodium azide.

Storage / Stability: Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not

use after expiration date stamped on vial label.

**Usage:** The reagent is designed for Flow Cytometry analysis of human blood cells using 4

μl reagent / 100 μl of whole blood or 10<sup>6</sup> cells in a suspension.

The content of a vial (0.4 ml) is sufficient for 100 tests.

Expiration: See vial label

Lot Number: See vial label

Background: 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 tumours.



## PRODUCT DATA SHEET

## References:

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