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Phycoerythrin (PE) Mouse Anti-Human CD56 Monoclonal Antibody

CLX61PE

Lot:

Clone: MEM-188

Isotype: Mouse IgG2a

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

Immunogen: KG-1 human acute myelogenous leukaemia cell line.

Species Reactivity: Human, Non-Human Primates

Preparation: The purified antibody is conjugated with R-Phycoerythrin 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 phosphate buffered saline (PBS) containing 15 mM sodium azide, and 0.2% (w/v) high-grade protease free bovine serum albumin (BSA) as a stabilizing agent.

Storage / Stability: Store at in 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 20 µl reagent/ 100 µl of whole blood or 10⁶ cells in suspension. The content of a vial (2 ml) is sufficient for 100 tests.

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. *Continued...*

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Laboratory Reagent For Research Use Only

JV 10/20/08