

1P-208-T025

Monoclonal Antibody to CD9 Phycoerythrin (PE) conjugated (25 tests)

Clone: MEM-61

Isotype: Mouse IgG1

- Specificity: The antibody MEM-61 recognizes an epitope on second extracellular domain (EC2) of CD9 antigen, a 24 kDa transmembrane protein expressed on platelets, monocytes, pre-B lymphocytes, granulocytes and activated T lymphocytes. HLDA VI; WS Code P P-15
- Regulatory Status: RUO
- Immunogen: Pre-B cell line NALM-6.

Species Reactivity: Human

- **Preparation:** The purified antibody is conjugated with R-Phycoerythrin (PE) 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 20 μ l reagent / 100 μ l of whole blood or 10⁶ cells in a suspension. The content of a vial (0.5 ml) is sufficient for 25 tests.

Expiration: See vial label

Lot Number: See vial label

proteins **Background:** CD9 belonas tetraspanin family to of that orchestrate cholesterol-associated tetraspanin-enriched signaling microdomains within the plasma membrane, forming complexes with each other as well as with integrins, membrane-anchored growth factors and other proteins. CD9 is involved in cell motility, osteoclastogenesis, neurite outgrowth, myotube formation, and sperm-egg fusion, plays roles in cell attachment and proliferation and is necessary for association of heterologous MHC II molecules on the dendritic cell plasma membrane which is important for effective T cell stimulation. CD9 is also considered as metastasis suppressor in solid tumors.

For laboratory research only, not for drug, diagnostic or other use.



References:

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