Monoclonal Antibody to CD87
Phycoerythrin (PE) conjugated (100 tests)

Clone: VIM5
Isotype: Mouse IgG1
Specificity: The mouse monoclonal antibody VIM5 recognizes CD87 (urokinase plasminogen activator receptor), a 36-68 kDa single-chain GPI-anchored glycoprotein expressed on granulocytes, monocytes/macrophages, dendritic cells, endothelial cells, fibroblasts and keratinocytes. HLDA VI; WS Code MR13

Regulatory Status: RUO
Immunogen: human myeloid cell line THP-1

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 10 µl reagent / 100 µl of whole blood or 10⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.

Background: CD87, the urokinase plasminogen activator receptor (UPAR), is a GPI-anchored single chain glycoprotein of a 50-68 kDa, which is expressed on granulocytes, monocytes/macrophages, dendritic cells, endothelial cells, fibroblasts and keratinocytes. The urokinase plasminogen activator bound to CD87 converts plasminogen to plasmin, and being concentrated on the leading edge of migrating cells, it plays important role in cell adhesion and chemotaxis. CD87 binds to β1, β2, and β3 integrins, and can contribute to cancer cell invasion and metastasis. This antigen can also be used to study normal and abnormal granulopoiesis.

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