



1P-396-T025

Monoclonal Antibody to CD13 Phycoerythrin (PE) conjugated (25 tests)

Clone:	WM15
Isotype:	Mouse IgG1
Specificity:	The antibody WM15 recognises the human CD13 cell surface glycoprotein, a 150 kDa molecule expressed on granulocytes, endothelial cells, epithelial cells and myeloid progenitors. HLDA III; WS Code M 213 HLDA IV; WS Code M 44 HLDA IV; WS Code M 209 HLDA V; WS Code M MA191
Immunogen:	Human AML cells
Species Reactivity:	Human, Non-Human Primates
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 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 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. Short-term exposure to room temperature should not affect the quality of the reagent. However, if reagent is stored under any conditions other than those specified, the conditions must be verified by the user.
Usage:	The reagent is designed for Flow Cytometry analysis of human blood cells using 20 µl reagent / 100 µl of whole blood or 10 ⁶ 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
Background:	CD13 (aminopeptidase N, APN) is a 150 kDa type II transmembrane zinc-binding ectopeptidase expressed on various cell types. This metalloprotease preferentially catalyzes removal of neutral amino acids from small peptides, thus activating or inactivating bioactive peptides. CD13 has also role in extracellular matrix degradation, antigen processing and signal transduction, is important in inflammatory responses, regulates intercellular contact, cell motility and vascularization. CD13 is involved in protection of leukemic cells against apoptosis and its expression associated with poor prognosis of carcinomas.

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

**Antibodies****References:**

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- *Favaloro EJ, Browning T, Facey D: CD13 (GP150; aminopeptidase-N): predominant functional activity in blood is localized to plasma and is not cell-surface associated. *Exp Hematol.* 1993 Dec;21(13):1695-701.
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