EXBIO Antibodies

PRODUCT DATA SHEET

T9-396-T100

# Monoclonal Antibody to CD13 PerCP-Cy™5.5 conjugated (100 tests)

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| **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.<br>HLDA III; WS Code M 213<br>HLDA IV; WS Code M 44<br>HLDA IV; WS Code M 209<br>HLDA V; WS Code M MA191 |
| **Regulatory Status:** | RUO |
| **Immunogen:** | Human AML cells |
| **Species Reactivity:** | Human, Non-Human Primates |
| **Preparation:** | The purified antibody is conjugated with tandem dye PerCP-Cy™5.5 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 $10^6$ cells in a suspension.<br>The content of a vial (0.4 ml) is sufficient for 100 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.**

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**References:**

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