



1B-396-C100

## Monoclonal Antibody to CD13 Biotin conjugated (0.1 mg)

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

Regulatory Status: RUO

Immunogen: Human AML cells

Species Reactivity: Human, Non-Human Primates

**Preparation:** The purified antibody is conjugated with Biotin-LC-NHS under optimum conditions.

The reagent is free of unconjugated biotin.

Concentration: 1 mg/ml

Storage Buffer: Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4

Storage / Stability: Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial

label.

**Usage:** Biotinylated antibody is designed for indirect immunofluorescence analysis by Flow

Cytometry.

**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.



## PRODUCT DATA SHEET

## References:

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