



Mouse Anti-Human CD13-PE-Cy5-conjugate

Catalog # CD13PC-100 Size 100 tests
Catalog # CD13PC-25 Size 25 tests

PRODUCT INFORMATION

CLONE: WM15
ISOTYPE: Mouse IgG1
CONTENTS: Purified antibody buffered in 10mM PBS (pH 7.2) with 0.1% NaN₃.
Product Forms: PE conjugation.

DESCRIPTION

CD13 Mcab recognises the human CD13 cell surface glycoprotein, a 150kD molecule expressed by granulocytes and monocytes, and by myeloid leukaemia cells. CD13 functions as an aminopeptidase enzyme and is also a receptor for coronavirus. Inhibits infection of cells by human coronavirus, inhibits aminopeptidase N activity of the CD13 molecule immunoprecipitates.

PREPARATION

Purified IgG prepared by ion exchange chromatography and is conjugated with R-PE under optimum conditions.

USAGE

The conjugated reagent (R-PE) is tested for flow cytometric analysis using 20µl/10⁶ cells or 100µl peripheral blood cells.

STORAGE

For purified forms, long term storage at -20°C.
For conjugated forms, storage at 4°C, should not be frozen and avoid prolonged exposure to light.

REFERENCES

1. Bradstock, K.F., Favaloro, E.J., Kabral, A., Kerr, A., Hughes, W.G., Berndt, M.C., and Musgrove, E. (1985). Human myeloid differentiation antigens identified by monoclonal antibodies: Expression on leukaemic cells. *Pathology*, 17: 392-399.
2. Bradstock, K.F., Favaloro, E.J., Kabral, A., Kerr, A., Hughes, W.G. and Musgrove, E. (1985). Myeloid progenitor surface antigen identified by monoclonal antibody. *British Journal of Hematology*, 61: 11-20.
3. Favaloro, E.J., Bradstock, K.F., Kabral, A., Grimsley, P., Zowtyi, H. and Zola, H. (1988). Further characterization of myeloid antigens ('gp160,95', 'gp150' and 'gp567'): Investigation of epitope heterogeneity and non-haemopoietic distribution using panels of monoclonal antibodies belonging to CD-11b, CD-13 and CD-33. *British Journal of Hematology*, 69: 163-171.
4. Favaloro, E.J. (1991). CD-13 ('gp150', Aminopeptidase-N): Co-expression on human endothelial and haemopoietic cells, with conservation of functional activity. *Immunology and Cell Biology*, 69: 253-260.
5. Favaloro, E.J., Browning, T. and Nandurkar, H. (1993). The hepatobiliary disease marker serum alanine-aminopeptidase predominantly comprises an isoform of the hematological myeloid differentiation antigen and leukemia marker CD-13/gp150. *Clinical Chimica Acta*, 220: 81-90.