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**Mouse Anti-Human CD13-PE conjugate**

Catalog #	CD13P-100	Size	100 tests
Catalog #	CD13P-25	Size	25 tests

**PRODUCT INFORMATION**

<b>CLONE:</b>	WM15
<b>ISOTYPE:</b>	Mouse IgG1
<b>CONTENTS:</b>	Purified antibody buffered in 10mM PBS (pH 7.2) with 0.1% NaN <sub>3</sub> .
<b>Product Forms:</b>	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/10<sup>6</sup> 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.