ALPHA DIAGNOSTIC INTERNATIONAL

Mouse Anti-Human CD13

Catalog # **CD13UL-100** **Size** **100 ug**

PRODUCT INFORMATION

CLONE: WM15
ISOTYPE: Mouse IgG1
CONTENTS: Purified antibody buffered in 10mM PBS (pH 7.2) with 0.1% NaN_3.
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/10^6 cells or 100µl peripheral blood cells.

STORAGE

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

REFERENCES

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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 heterogenetity 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.
6. Favaloro, E.J., Browning, T. and Facey, D. (1993). CD-13 (gp150; aminopeptidase-N): Predominant functional activity in blood is localized to plasma and is not cell surface associated. Experimental Hematology, 21: 1695-1701.