



BMA BIOMEDICALS

Monoclonal Antibody To Human CD15

Marker For Human Granulocytes, Monocytes

CD15 is a carbohydrate antigen expressed mainly on mature granulocytes and monocytes. CD15 is also called Lewis X, X-hapten, lacto-N-fucopentaose III or stage-specific embryonic antigen (SSEA). The reactivity is preferentially with granulocytes and to a lesser degree with monocytes. CD15 is expressed on immature bone marrow cells and leukaemic cells of the myelo-monocytic lineage, and sometimes on lymphocytic leukaemia cells. VIM-C6 facilitates the differentiation of granulocytes from other blood cells. It is also useful for phenotyping cell subpopulations in myeloid leukaemia and for enrichment or elimination of myeloid cells.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Product Number:	T-1002 (Lot 01PO9202)
Clone:	VIM-C6
Host species, isotype:	Mouse IgM
Quantity:	100µg
Format:	Purified, lyophilized. Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.2mg/ml IgM, phosphate buffered saline pH 7.2 (PBS), 10mg/ml bovine serum albumin (BSA) as a stabilizer and 0.02% sodium azide as a preservative.
Stability:	Original vial: 1 year at 4° - 8°C from date of purchase. Stock solution and aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.
Applications:	Tested for immunohistochemistry (IHC) and ELISA. Approximate working dilution for IHC: Frozen sections: 1µg/ml (1:200) Paraffin sections: not tested. Optimal dilutions should be determined by the end user. Suggested positive control: Human tonsil. Please see www.bma.ch for protocols and general information
Immunogen:	Human granulocytes
Antigen, epitope:	The antigen is CD15, the epitope has not further been investigated.
Specificity:	Human: granulocytes, monocytes Other: not tested

Selected references

Stockinger, H. et. al.: Exposure by desialylation of myeloid antigens on acute lymphoblastic leukemia cells. J. Natl. Cancer Inst. 73: 7-11 (1984)

CD 15 workshop in "Leucocyte Typing IV", (Vienna 1989), Oxford University Press, (W. Knapp, B. Doeken, W.R. Gilks, E.P. Riebar, R.E. Schmidt, H. Stein & A.E.G.Kr. von dem Borne eds).

For in vitro research only. This product contains sodium azide as a preservative.