



BMA BIOMEDICALS

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Rheinstrasse 28-32
CH-4302 Augst (Switzerland)
Phone: ++41 61 811 6222
Fax: ++41 61 811 6006
info@bma.ch
www.bma.ch

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.

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 Stock solution or aliquots thereof: 1 year at -20°C. Avoid repeated thawing and freezing.
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. Caution: this product contains sodium azide, a poisonous and hazardous substance.