

Product datasheet for **BM4104**

CD15 Mouse Monoclonal Antibody [Clone ID: VIM-C6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	VIM-C6
Applications:	CT, FC, IHC
Recommended Dilution:	ELISA. Immunohistochemistry on frozen sections: 1 µg/ml (1:200) for tissue staining.
	Antigen Distribution: Isolated cells: VIM-C6 is heterogenously expressed on granulocytes and on monoblastoid precursor cells. Tissue sections: VIM-C6 is positive on myeloid precursor cells in the bone marrow. Cross reactions with glandular epithelial cells, astrocytes and Sternberg-Reed cells were reported for CD 15.
Reactivity:	Human
Host:	Mouse
Isotype:	IgM
Clonality:	Monoclonal
Immunogen:	Human granulocytes.
Specificity:	The antibody is directly cytotoxic with rabbit complement. VIM-C6 detects a carbohydrate sequence of the 3-fucosyl-N-acetyllactosamine.
Formulation:	PBS buffer pH 7.2 with 0.02% sodium azide as preservative and 10 mg/ml BSA as stabilizer. State: Purified State: Lyophilized purified Ig fraction.
Reconstitution Method:	Restore with 0.5 ml distilled water.
Concentration:	0.2 mg/ml
Purification:	Affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody at 2-8°C for one month or (in aliquots) at -20°C for longer. Do not freeze working dilutions Avoid repeated freezing and thawing.



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Stability:	Shelf life: One year from despatch.
Background:	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 leukemic cells of the myelo-monocytic lineage, and sometimes on lymphocytic leukemia cells. VIM-C6 facilitates the differentiation of granulocytes from other blood cells. It is also useful for phenotyping cell subpopulations in myeloid leukemias and for enrichment or elimination of myeloid cells. This antibody reacts with granulocytes, monoblastoid precursor cells.
Synonyms:	Lewis X, X-Hapten, Lacto-N-Fucopentaose III, Stage-Specific Embryonic Antigen, SSEA1
Note:	<p>Protocol: Protocol with frozen, ice-cold acetone-fixed sections:</p> <p>The whole procedure is performed at room temperature</p> <ol style="list-style-type: none">1. Wash in PBS2. Block endogenous peroxidase3. Wash in PBS4. Block with 10% normal goat serum in PBS for 30min. in a humid chamber5. Incubate with primary antibody (dilution see datasheet) for 1h in a humid chamber6. Wash in PBS7. Incubate with secondary antibody (peroxidase-conjugated goat anti mouse IgG+IgM (H+L) minimal-cross reaction to human) for 1h in a humid chamber8. Wash in PBS9. Incubate with AEC substrate (3-amino-9-ethylcarbazol) for 12min.10. Wash in PBS11. Counterstain with Mayer's hemalum