

Mouse Anti Human CD15 Purified

PRODUCT INFORMATION

CLONE:	HI98
ISOTYPE:	Mouse IgM, κ
WS.No.:	IV M141
CATALOG#:	A6301/A6301-bulk
CONTENTS:	Purified antibody buffered in 10mM PBS (PH 7.0) with 0.1% NaN ₃ .

DESCRIPTION

CD15 McAb recognizes a 220KD carbohydrate antigen–Lacto–N–fucopentaose III, also called lewis X, X-hapten, SSEA- I . CD15 antigen is expressed highly on mature granulocytes and monocytes (weakly) and on immature bone marrow cells of myelomonocytic lineage and weakly on peripheral blood T lymphocytes as well as on some T-cell lines. CD15 antigen is also expressed on leukemia cells of myelomonocytic origin, and occasionally on lymphocytic leukemia cells. Furthermore CD15 is present on langerhans cells and on a variety of carcinoma cells (preferentially adenocarcinomas), but is absent on B lymphocytes, erythrocytes and platelets. There is soluble form of CD15 in serum (plasm) besides membrane form of CD15. CD15 antigen plays a role in mediating phagocytosis, bactericidal activity and chemotaxis.

PREPARATION

The monoclonal antibody is purified from ascites by hydroxyapatite chromatography.

USAGE

The purified reagent is effective for indirect immunofluorescence staining of human cells for flow cytometric analysis and is tested for immunohistochemical staining of acetone-fixed frozen sections and formalin–fixed paraffin sections.

STORAGE

Store at 4°C. For long-term storage aliquot and store at -20°C. Avoid freeze and thaw cycles.

REFERENCES

1. Shen DC., Chen Z., Jing YG., et al., 1989. HI98- an anti- myelomonocytic cell monoclonal antibody: production, identification and preliminary application. *J. Hematol*, 10(7): 350
2. Guan Q., Tang MH., Shen DC., et al., 1993. Functional studies of HIM4 and HIM5 monoclonal antibodies. *Tissue Antigens*. 42(4):365
3. Yang XF., Shen DC., Guan Q., et al., HIM35: a monoclonal antibody synergistically stimulating hematopoiesis. *Tissue Antigens*. 42(4):387
4. Yang L., Fa XG., 2001. The regulation of NADPH oxidase in human Np by McAb HIM70. 7(3):375
5. Knapp W., B.Dorcken, E.P.Rieber, et al., eds. 1989. *Leucocyte Typing IV: White Cell Differentiation Antigens*. P: 798, 1078 Oxford University Press, New York.

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