



## Mouse Anti Human CD15 FITC

### PRODUCT INFORMATION

<b>CLONE:</b>	HI98
<b>ISOTYPE:</b>	Mouse IgM, $\kappa$
<b>WS.No.:</b>	IV M141
<b>CATALOG#:</b>	A6302/A6312
<b>CONTENTS:</b>	FITC conjugated antibody in 10mM PBS (pH 7.0) with 0.05% NaN <sub>3</sub> and 1% BSA.

### 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 and is conjugated with FITC under optimum conditions.

### USAGE

The FITC conjugation is tested for flow cytometric analysis using 20 $\mu$ l/10<sup>6</sup> cells or 100 $\mu$ l peripheral blood cells.

### STORAGE

Store at 4°C, should not be frozen and avoid prolonged exposure to light.

### 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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