

Mouse Anti Human CD99R PE

PRODUCT INFORMATION

CLONE:	HIT4
ISOTYPE:	Mouse IgM
WS.No.:	V 5T-059
CATALOG#:	A7003/A7013
CONTENTS:	RPE - conjugated antibody buffered in 10mM PBS (pH 7.0) with 0.05% NaN ₃ and 1% BSA.

DESCRIPTION

CD99R McAb recognizes a 32KD type I single chain highly glycosylated transmembrane protein. CD99R is an isoform of CD99 with restricted cell distribution. CD99R antigen is expressed on hematopoietic progenitors, thymocytes, a subset of T cells (30-42% of CD4+ cells and 15-23% of CD8+ cells), NK cells and some Leukemic cells, but not on B cells, erythrocytes and platelets. In Leukemias, the co-expression of CD99R antigen and CD38 antigen predicts likely that this Leukemic cells are in early or immature stage.

PREPARATION

The monoclonal antibody is purified from ascites by hydroxyapatite chromatography and is conjugated with R-PE under optimum conditions.

USAGE

The R-PE conjugation is tested for flow cytometric analysis using 20 μ l/10⁶ cells or 100 μ l peripheral blood cells.

STORAGE

Store at 4 $^{\circ}$ C, should not be frozen and avoid prolonged exposure to light.

REFERENCES

1. Shen DC., Chen Z., Yu AX., et al., 1986. A group of monoclonal antibodies reactive with the human thymocyte differentiation antigens—production and specificity analysis. Chinese J. of Immunology. 2 (6) : 331
2. Chen Z., Shen DC., Yu AX., et al., 1987. A group of monoclonal antibodies reacted with human thymocyte differentiation antigens II. Biological properties. Shanghai J. of Immunology. 7(1):1
3. Yang CY., Han XD., Shen DC., et al., 1994. Distribution and proliferative properties of HIT4⁺ cells. Chinese J. of Microbiology and Immunology. 14(2):104
4. Yang CY., Shen DC., Cheng QN., et al., 1995. Inhibitory effect of HIT4 McAb on IgG synthesis. Shanghai J. of Immunology. 15(1):4
5. Schlossman,S.,L.Bloumsell, W.Gilks,et al., eds. 1995. Leucocyte Typing V:White Cell Differentiation Antigens. P: 440, 443-468 Oxford University Press, New York.

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