ALPHA DIAGNOSTIC INTERNATIONAL

Catalog#	**CD99RF-100**	**Size**	**100 tests**
Catalog#	**CD99RF-25**	**Size**	**25 tests**

Mouse Anti Human CD99R

PRODUCT INFORMATION

CLONE:	HIT4
ISOTYPE:	Mouse IgM
WS.No.:	V 5T-059
Product Forms:	Purified.

DESCRIPTION

CD99R McAb recognizes a 32KD type □ 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 the Leukemic cells are in early or immature stage.

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.

STORAGE

For purified forms, long term storage at -20oC.

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 □:White Cell Differentiation Antigens. P：440，443-468 Oxford University Press, New York.