



Catalog#      CD99RUL-100 Size      100 ug

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**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  $\square$  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**

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3. Yang CY., Han XD., Shen DC., et al., 1994. Distribution and proliferative properties of HIT4<sup>+</sup> 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  $\square$ :White Cell Differentiation Antigens. P: 440, 443-468 Oxford University Press, New York.