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## Mouse Anti-Human CD7

### PRODUCT INFORMATION

**Catalog #**    **CD07UL-100** **SIZE:** 100 ug

**CLONE:**                    HIT7

**ISOTYPE:**                Mouse IgG1

**WS.No.:**                 □5T CD07.03

**Product Forms:**      Purified, FITC conjugation, PE conjugation.

### DESCRIPTION

CD7 McAb recognizes a 40KD type I single-chain transmembrane glycoprotein. CD7 antigen has been considered as one of the earliest and immature T cell markers and is expressed on all thymocytes, most mature T cells, B-lineage progenitors, NK cells, monocytes (weakly) and some stem cell leukemia capable of multilineage differentiation. CD7 antigen may be considered as a marker of undifferentiated hemopoietic cells capable of giving rise to T, B and myeloid lineage cells under the appropriate microenvironment. T cell marker CD7 is also present on the majority cells of T lymphoid leukemia and small party cells of acute myeloid leukemia (AML). Mature B lymphocytes and granulocytes do not express CD7 antigen.

### PREPARATION

The monoclonal antibody is purified from ascites by protein G affinity chromatography and is conjugated with FITC, R-PE under optimum conditions.

### USAGE

The purified reagent is effective for indirect immunofluorescence staining of human cells for flow cytometric analysis.

The conjugated reagent (FITC, R-PE) is tested for flow cytometric analysis using 20µl/10<sup>6</sup> cells or 100µl peripheral blood cells.

### STORAGE

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

For conjugated forms, storage at 4oC, should not be frozen and avoid prolonged exposure to light.

### REFERENCES

Schlossman S., L. Bloumsell, W. Gilks, et al., eds. 1995. Leucocyte Typing □: White Cell Differentiation Antigens. P: 246 Oxford University Press, New York.