

## **CD7 (HIT7) Antibody**

**Subcategory:** Mouse Monoclonal Antibody, PE-conjugated Antibody

**Cat. No.:** 251052

**Unit:** 2 ml

### **Description:**

The CD7 (HIT7) antibody recognizes a 40 kDa type-I single-chain transmembrane glycoprotein. CD7 antigen is considered as one of the earliest and immature T cell markers that is expressed on all thymocytes, most mature T cells, B-lineage progenitors, NK cells, monocytes (weakly) and some leukemia stem cells 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. CD7 is also present in the majority of T lymphoid leukemia cells and a subset of acute myeloid leukemia (AML) cells. Mature B lymphocytes and granulocytes do not express CD7 antigen.

**Isotype:** mouse IgG1

**Applications:** FC

**Species Reactivity:** H

**Format:** Each vial contains 2 ml IgG (100 tests) in PBS pH7.4, 0.1% BSA with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

**Alternate Names:** T-cell antigen CD7; GP40; T-cell leukemia antigen; TP41; Leu-9; CD7

**Accession No.:** P09564

**Application Notes:** FC with whole blood: 100  $\mu$ l blood + 20  $\mu$ l antibody; FC with cells: 10E6 cells + 20  $\mu$ l antibody. FC: 1:200-1:1,000

**Storage:** Store at 4°C. Product is guaranteed 6 months from the date of shipment.

**Product Citations:** Schlossman S. et al., eds. 1995. Leucocyte Typing V: White Cell Differentiation Antigens. P246, Oxford University Press, New York.

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