

**Manufacturer/Supplier:**

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**Product name:** Anti-Human CD7 Monoclonal Antibody(AF647  
Conjugated)

**Catalog:** DL20859F

**Synonyms:** T-cell antigen CD7, CD7, GP40, T-cell leukemia  
antigen, T-cell surface antigen Leu-9, TP41, TP41

**Background:** CD7 is a 40 kD type I transmembrane glycoprotein also known as gp40. It is a member of the immunoglobulin superfamily found on T cells, NK cells, thymocytes, hematopoietic progenitors, and monocytes (weakly). CD7 is also expressed on acute lymphocytic leukemia (ALL) and some acute myeloid leukemia (AML) cells. CD7 crosslinking induces a calcium flux in T lymphocytes, presumably as a result of cytoplasmic domain association with PI3-kinase. CD7 costimulation can induce cytokine

secretion and modulate cellular adhesion.

**Form:** Liquid

**Isotype:** Mouse IgG1,  $\kappa$

**Size:** 20 Tests/50 Tests/100 Tests/200 Tests

**Host:** Mouse

**Reactivity:** Human

**Application:** FCM

**Concentration:**

**Conjugation:** AF647

**SwissProt:** P09564

**Buffer:** PBS with 0.05% Proclin300, 1% BSA

### Recommended Use:

Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. The amount of the reagent is suggested to be used 5  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

### Data:

Human peripheral blood lymphocytes are stained with Anrti-Human CD7 Monoclonal Antibody(AF647 Conjugued)(filled gray histogram). Unstained lymphocytes (empty black histogram) are

used as control.

**Storage:**

Keep as concentrated solution.

Store at 2~8°C and protected from prolonged exposure to light. Do not freeze.

This product is guaranteed up to one year from purchase.