

# PE-Labeled Recombinant Human CD7 Protein

Catalog No.: RP00588PLQ Recombinant

## Sequence Information

**Species** Human    **Gene ID** 924    **Swiss Prot** P09564

### Tags

C-His&Avi

### Synonyms

CD7 molecule; CD7; LEU-9; Tp40; TP41; GP40

## Background

CD7, also known as Leu-9, is an approximately 40 kDa glycosylated and palmitoylated transmembrane protein in the immunoglobulin superfamily. CD7 is expressed on T cells, NK cells, myeloid progenitor cells, and CD19 B progenitor cells. Among CD8 T cells, the CD7-bright population preferentially contains naïve and memory cells, while more weak expressors are primarily effector cells.

## Basic Information

### Description

PE-Labeled Recombinant Human CD7 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala26-Pro180) of Human CD7 (Accession #P09564) fused with a C-His&Avi tag at the C-terminus.

### Bio-Activity

### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

### Storage

Store at -70°C. This product is stable at  $\leq -70^{\circ}\text{C}$  for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

### Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

## Product Information

**Source** HEK293 cells    **Purification**

**Calculated MW** 19.3 kDa    **Observed MW**

### Endotoxin

< 1 EU/μg of the protein by LAL method

### Formulation

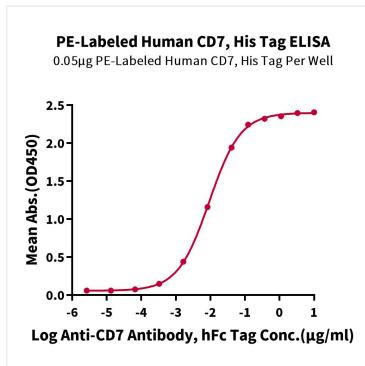
Supplied as 0.22 μm filtered solution in PBS (pH 7.4).

### Reconstitution

## Contact

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## Validation Data



Immobilized PE-Labeled Human CD7, His Tag at 0.5  $\mu$ g/mL (100  $\mu$ L/well) on the plate. Dose response curve for Anti-CD7 Antibody, hFc Tag with the EC<sub>50</sub> of 9.2ng/mL determined by ELISA.