

# PE-Labeled Human CD7 Protein

Cat. No. CD7-HM401P

## Description

Source	Recombinant PE-Labeled Human CD7 Protein is expressed from HEK293 His tag and Avi tag at the C-Terminus. It contains Ala26-Pro180.
Accession	P09564
Molecular Weight	The protein has a predicted MW of 19.3 kDa.
Wavelength	Excitation Wavelength: 488 nm / 561 nm Emission Wavelength: 575 nm
Endotoxin	Less than 1EU per µg by the LAL method.

## Formulation and Storage

Formulation	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
Storage	Valid for 6 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

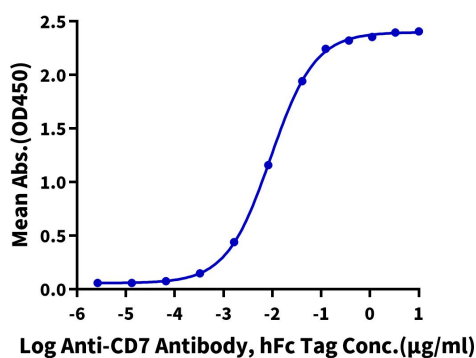
CD7, also known as Leu-9, is an approximately 40 kDa glycosylated and palmitoylated transmembrane protein in the immunoglobulin superfamily. CD7 is expressed on T cells, NK cells, myeloid progenitor cells, and CD19 B progenitor cells. Among CD8 T cells, the CD7-bright population preferentially contains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

## Assay Data

### ELISA Data

#### PE-Labeled Human CD7, His Tag ELISA

0.05µg PE-Labeled Human CD7, His Tag Per Well



Immobilized PE-Labeled Human CD7, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-CD7 Antibody, hFc Tag with the EC50 of 9.2ng/ml determined by ELISA.