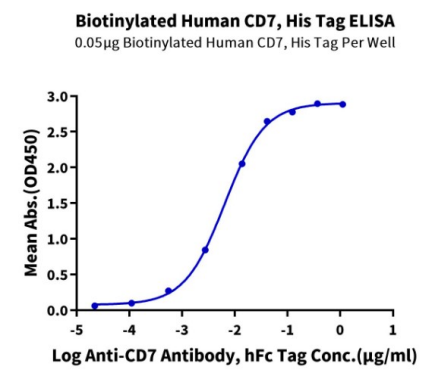
Bioactive CellTx™ HuPro®

CD7 (Human) Recombinant Protein (Biotin)

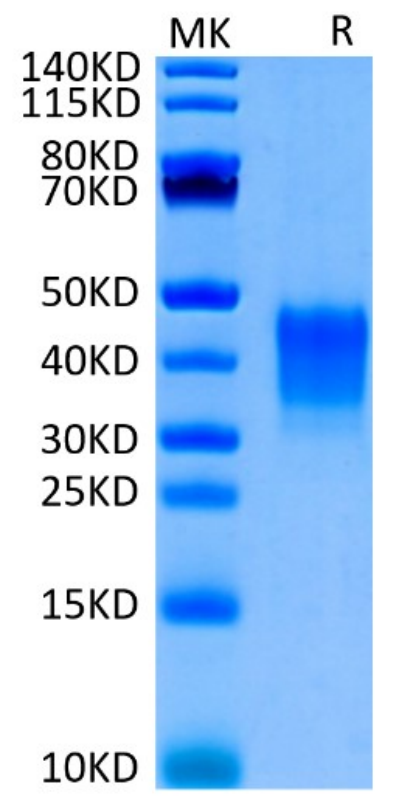
Catalog # P10380 Size 100 ug

Applications



Enzyme-linked Immunoabsorbent Assay

Immobilized Biotinylated Human CD7, His Tag at 0.5 ug/mL (100 uL/well) on the streptavidin precoated plate (5 ug/mL). Dose response curve for Anti-CD7 Antibody, hFc Tag with the EC_{50} of 6.4 ng/mL determined by ELISA.



Tris-Bis PAGE

Biotinylated Human CD7 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

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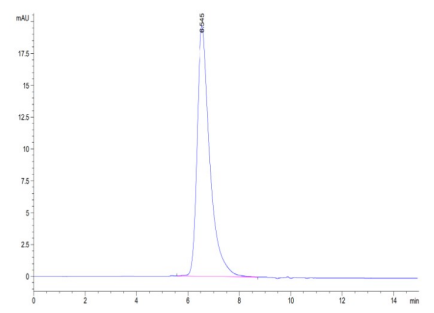

SEC-HPLC

The purity of Biotinylated Human CD7 is greater than 95% as determined by SEC-HPLC.

Specification

Product Description	Human CD7 (P09564, Ala26-Pro180) partial recombinant protein with His-Avi tag at the C-Terminus expressed in HEK293 cells.
Sequence	Ala26-Pro180
Host	Human
Theoretical MW (kDa)	19.3
Reactivity	Human
Form	Lyophilized
Conjugation	Biotin
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% by Tris-Bis PAGE > 95% by HPLC
Endotoxin Level	< 0.1 EU per 1 ug as determined by the LAL method.
Activity	The EC_{50} was 6.4 ng/mL, measured by ELISA at 0.5 ug/mL.
Recommend Usage	Biological Activity ELISA Tris-Bis PAGE SEC-HPLC The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 0.22 um filtered solution in PBS, pH 7.4. (8% trehalose).
Storage Instruction	Store at -20°C for 12 months. After reconstitution, store at 4°C for 2-7 days, or store at -80°C for 3-6 months. Aliquot to avoid repeated freezing and thawing.
Note	Please use within one month after protein reconstitution.

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Applications

- Functional Study

- Enzyme-linked Immunoabsorbent Assay

  Immobilized Biotinylated Human CD7, His Tag at 0.5 ug/mL (100 uL/well) on the streptavidin precoated plate (5 ug/mL). Dose response curve for Anti-CD7 Antibody, hFc Tag with the EC_{50} of 6.4 ng/mL determined by ELISA.

Gene Info — CD7

Entrez GeneID	924
Protein Accession#	P09564
Gene Name	CD7
Gene Alias	GP40, LEU-9, TP41, Tp40
Gene Description	CD7 molecule
Omim ID	186820
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a transmembrane protein which is a member of the immunoglobulin superfamily. This protein is found on thymocytes and mature T cells. It plays an essential role in T-cell interactions and also in T-cell/B-cell interaction during early lymphoid development. [provided by RefSeq
Other Designations	CD7 antigen|CD7 antigen (p41)|T-cell antigen CD7|T-cell leukemia antigen|p41 protein

Pathway

- Hematopoietic cell lineage

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