

Recombinant Human CD7 protein, His-Avi-tagged, Biotinylated

Cat. No. CD7-222HB **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human CD7 protein(P09564)(Ala26-Pro180), fused with C-terminal His and Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Ala26-Pro180
Tag	C-His-Avi
Conjugation/Label	Biotin
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Biotinylated Human CD7, His Tag at 0.5 µg/ml (100 µl/well) on the streptavidin precoated plate (5 µg/ml). Dose response curve for Anti-CD7 Antibody, hFc Tag with the EC50 of 6.4 ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 19.3 kDa. Due to glycosylation, the protein migrates to 34-48 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.

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Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Storage	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Conjugation	Biotin

GENE INFORMATION

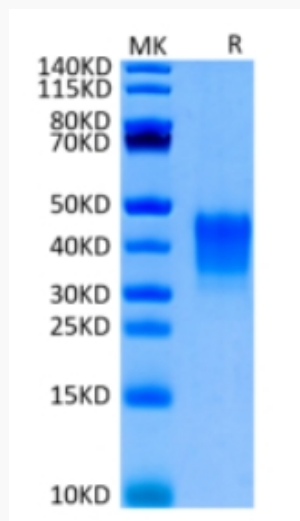
Gene Name	CD7 CD7 molecule [Homo sapiens]
Official Symbol	CD7
Synonyms	CD7; CD7 molecule; CD7 antigen (p41); T-cell antigen CD7; GP40; LEU 9; p41 protein; T cell antigen CD7; T cell leukemia antigen; Tp40; TP41; T-cell leukemia antigen; T-cell surface antigen Leu-9; LEU-9;
Gene ID	924
mRNA Refseq	NM_006137
Protein Refseq	NP_006128
MIM	186820
UniProt ID	P09564

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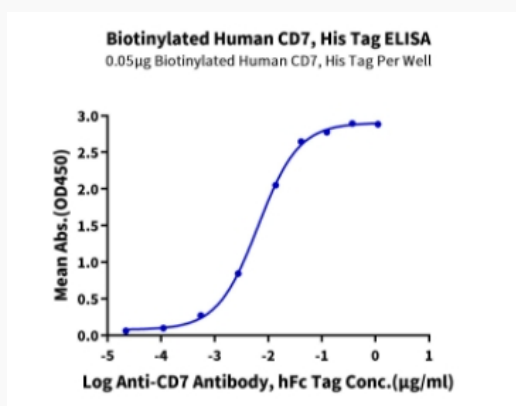
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Tris-Bis PAGE



ELISA Data



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