

Rev04
 Update: Aug,20,2025

DATASHEET

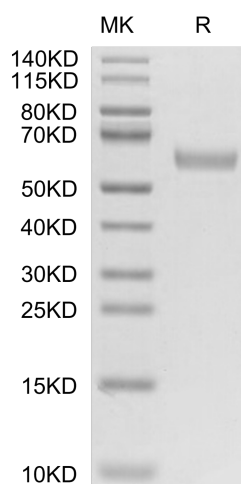
CD7 hFc Chimera, Human

Cat. No.: Z04030

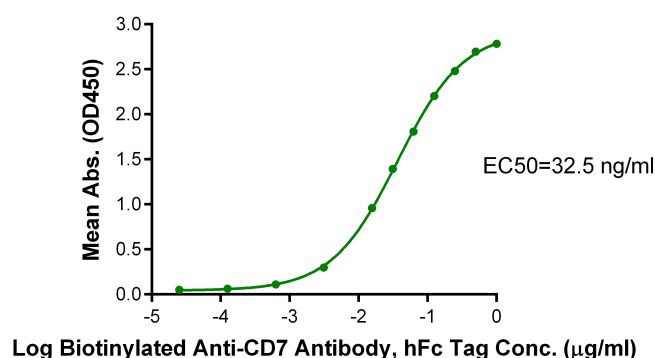
Product Introduction

Species	Human
Protein Construction	CD7 (Ala26-Pro180) Accession # P09564 hFc N-term C-term
Purity	> 95% as determined by Bis-Tris PAGE
Endotoxin Level	Less than 1EU per µg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	43.19 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 55-70 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from a 0.22 µm filtered solution in PBS, (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable for 6 months at -20°C or below. Upon reconstitution, the product should be stable for 3 months at -80°C. Avoid repeated freeze-thaw cycles.

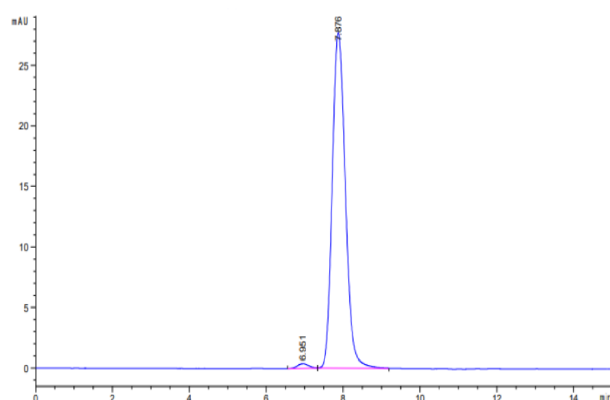
Examples



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



Immobilized CD7 hFc Chimera, Human, hFc Tag at 1 $\mu\text{g/ml}$ (100 $\mu\text{L/well}$) on the plate. Dose response curve for Biotinylated Anti-CD7 Antibody, hFc Tag with the EC_{50} of 32.5 ng/ml determined by ELISA.



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

Background

Target 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.

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

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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