

Rev03
 Update: Aug,08,2025

DATASHEET

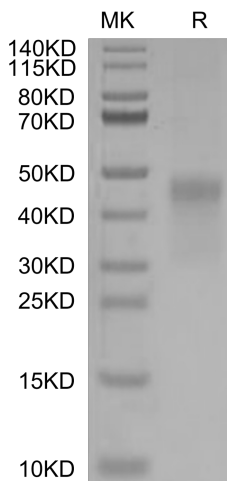
CD7, His, Cynomolgus

Cat. No.: Z04033

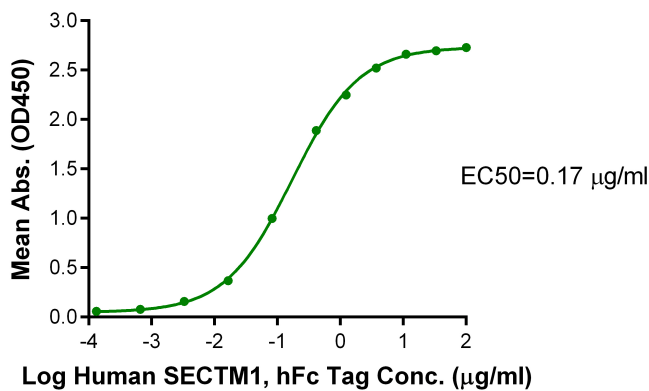
Product Introduction

Species	Cynomolgus
Protein Construction	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> CD7 (Ala26-Pro180) Accession # XP_005585387.1 </div> <div style="background-color: #76923c; color: white; padding: 5px; text-align: center;"> His </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> N-term C-term </div>
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per µg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized CD7, His, Cynomolgus at 1µg/ml (100µl/well) on the plate can bind Human SECTM1, hFc Tag. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	17.43 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 40-50 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 up to 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.

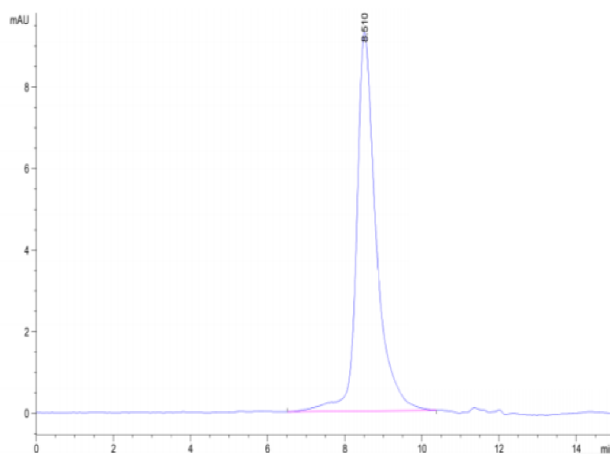
Examples



CD7, His, Cynomolgus on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



Immobilized CD7, His, Cynomolgus, His Tag at 1 µg/ml (100 µL/well) on the plate. Dose response curve for Human SECTM1, hFc Tag with the EC₅₀ of 0.17 µg/ml determined by ELISA.



The purity of CD7, His, Cynomolgus 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; CD7; 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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