

RP00586

Leader in Biomolecular Solutions for Life Science



Recombinant Human CD8 alpha Protein

Catalog No.: RP00586 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	925	P01732-1

Tags

C-His

Synonyms

CD8a; Lyt-2; CD8; Leu2; MAL; p32;
CD8a molecule; OKT8 T-cell antigen

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE.

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact



www.abclonal.com

Background

CD8 alpha enhances the responses of antigen-specific CTL activated through TCR through binding MHC class I, favoring lipid raft partitioning of TCR, and inducing intracellular signaling. CD8 alpha is also found on dendritic cells and rat macrophages, but whether CD8 alpha enhances responses of a partner receptor, like TCR, to activate these cells is not known.

Basic Information

Description

Recombinant Human CD8 alpha Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser22-Asp182) of Human CD8 alpha (Accession #P01732-1) fused with a C-His tag at the C-terminus.

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

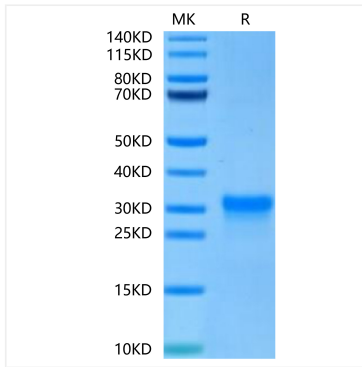
For your safety and health, please wear a lab coat and disposable gloves for handling.

Storage

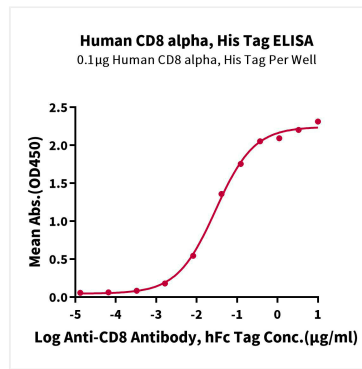
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

* For your safety and health, please wear a lab coat and disposable gloves when handling.

Validation Data



Recombinant Human CD8 alpha Protein was determined by Tris-Bis PAGE under reducing conditions.



Immobilized Human CD8 alpha, His Tag at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-CD8 Antibody, hFc Tag with the EC₅₀ of 29.4ng/mL determined by ELISA.