Biotinylated Recombinant Human CD7 Protein

Catalog No.: RP00588B

Sequence Information

Species
Human

Gene ID
924

Swiss Prot
P09564

Tags
C-His&Avi

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

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE;≥ 95 % as determined by HPLC.

Calculated MW
19.3 kDa

Observed MW
34-48 kDa

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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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 na?ve and memory cells, while more weak expressors are primarily effector cells.

Basic Information

Description
Biotinylated Recombinant Human CD7 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala26-Pro180) of Human CD7 (Accession #P09564) fused with a C-His&Avi tag at the C-terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

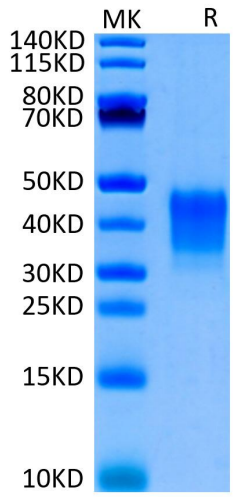
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

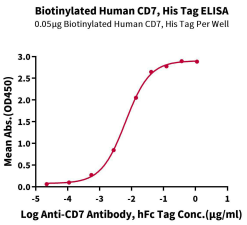
400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

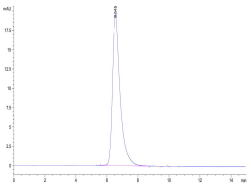
Validation Data



Biotinylated Recombinant Human CD7 Protein was determined by Tris-Bis PAGE under reducing conditions.



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 EC_{50} of 6.4ng/mL determined by ELISA.



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

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.