Biotinylated Recombinant Human IL-15RA/CD215 Protein

Catalog No.: RP00436B

Sequence Information

Species
Human

Gene ID
3601

Swiss Prot
Q13261-1

Tags
C-His&Avi

Synonyms
IL-15 R alpha; CD215; IL-15RA; MGC104179

Product Information

Source
HEK293 cells

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

Calculated MW
21.3 kDa

Observed MW
50-70 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

Interleukin-15 receptor alpha (IL-15R alpha) is a high affinity IL-15 binding protein that is crucial for mediating IL-15 functions such as memory CD8 T cell proliferation and NK, NK/T cell, and intestinal intraepithelial lymphocyte development.

Basic Information

Description
Biotinylated Recombinant Human IL-15RA/CD215 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ile31-Thr205) of Human IL-15RA/IL-15 R alpha/CD215 (Accession #Q13261-1) 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

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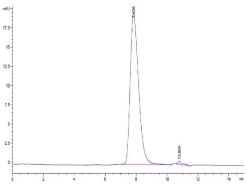
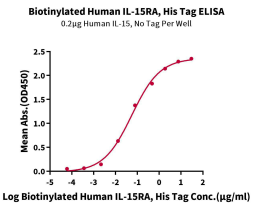
For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

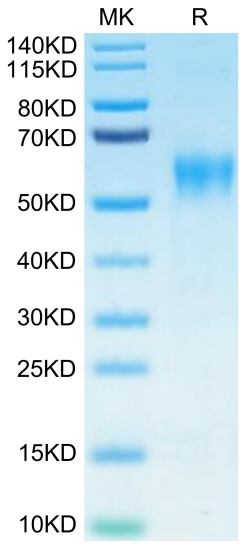
Validation Data



The purity of Biotinylated Human IL-15RA is greater than 95% as determined by SEC-HPLC.



Immobilized Human IL-15 at 2 μg/mL (100 μL/Well) on the plate. Dose response curve for Biotinylated Human IL-15RA, His Tag with the EC_{50} of 55.8ng/mL determined by ELISA.



Biotinylated Recombinant Human IL-15RA/CD215 Protein was determined by Tris-Bis PAGE under reducing conditions.