

Biotinylated Recombinant Human IL-17RA/CD217 Protein

Catalog No.: RP02396B Recombinant

Sequence Information

Species Gene ID Swiss Prot Human 23765 Q96F46

Tags C-hFc&Avi

Synonyms

CANDF5; CD217; CDw217; IL-17RA; IL17R; IMD51; hIL-17R;IL17RA;CD217;CDw217;IL-17RA;I L17R;IMD51;hIL-17R

Product Information

Source Purification

HEK293 cells ≥ 95 % as determined by Tris-Bis PAGE;≥ 95 % as

determined by HPLC.

Calculated MW Observed MW

61.8 kDa 78-100 kDa

Endotoxin

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

Formulation

Lyophilized from a 0.22 μ m filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the tube 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.

Contact

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Background

Interleukin 17 (also known as CTLA-8) is a T cell-expressed pleotropic cytokine. IL-17 binds to IL-17 receptor (IL-17 R) which shares no homology with any known family of receptors. While the expression of IL-17 is restricted to activated T cells, the IL-17 R mRNA exhibits a broad tissue distribution, and has been detected in virtually all cells and tissues tested. The human IL-17 R gene was localized to chromosome 22.

Basic Information

Description

Biotinylated Recombinant Human IL-17RA/CD217 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Leu33-Trp320) of Human IL-17RA/CD217 fused with a hFc and Avi tag at the C-terminal.

Bio-Activity

Shipping

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

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 $^{\circ}$ C for 3 months, at 2-8 $^{\circ}$ C for up to 1 week.

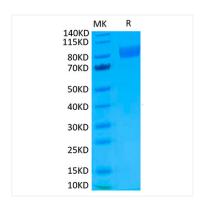
Avoid repeated freeze/thaw cycles.

Operational Notes

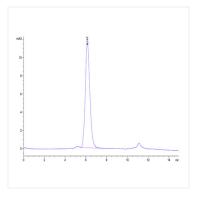
For your safety and health, please wear a lab coat and disposable gloves for handling.

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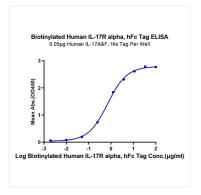
Validation Data



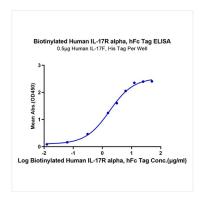
Biotinylated Recombinant Human IL-17RA/CD217 Protein was determined by Tris-Bis PAGE under reducing conditions with Coomassie Blue.



The purity of Biotinylated Human IL-17R alpha is greater than 95% as determined by SEC-HPLC.



Immobilized Human IL-17A&F, His Tag at 0.5 μ g/ml (100 μ l/well) on the plate. Dose response curve for Biotinylated Human IL-17R alpha, hFc Tag with the EC₅₀ of 0.70 μ g/ml determined by ELISA.



Immobilized Human IL-17F, His Tag at $5\mu g/ml$ ($100\mu l/well$) on the plate. Dose response curve for Biotinylated Human IL-17R alpha, hFc Tag with the EC₅₀ of $1.76\mu g/ml$ determined by ELISA.