Recombinant Human IL-17RA/CD217 Protein

Catalog No.: RP00273

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Sequence Information

Species
Human

Gene ID
23765

Swiss Prot
Q96F46

Tags
C-His

Synonyms
CANDF5, CD217, CDw217, IL-17RA, IL17R, IMD51, hIL-17R, IL17RA,CD217,CDw217,IL-17RA, IL17R,IMD51,hIL-17R

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
34.29 kDa

Observed MW
55-65 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

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 17A (IL17A) is a proinflammatory cytokine secreted by activated T-lymphocytes. It is a potent inducer of the maturation of CD34-positive hematopoietic precursors into neutrophils. This transmembrane protein (interleukin 17A receptor; IL17RA) is a ubiquitous type I membrane glycoprotein that binds with low affinity to interleukin 17A. Interleukin 17A and its receptor play a pathogenic role in many inflammatory and autoimmune diseases such as rheumatoid arthritis. Like other cytokine receptors, this receptor likely has a multimeric structure.

Basic Information

Description
Recombinant Human IL-17RA/CD217 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Leu33-Trp320) of human IL17RA (Accession #NP_055154.3) fused with a 6×His tag at the C-terminus.

Activity
1.Measured by its ability to inhibit IL-17A induced IL-6 secretion by Hela cells. The ED_{50} for this effect is 0.02 0.1 μg/mL in the presence of 10 ng/mL recombinant human IL 17A.
2.Measured by its binding ability in a functional ELISA. Immobilized Recombinant human IL17RA , His Tag at 2 μg/mL (100 μL/well) can bind Recombinant human IL-17A,His Tag with a linear range of 31.25-65 ng/mL.

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℃

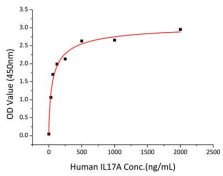
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

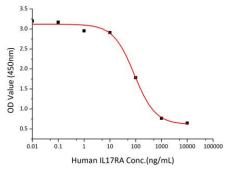
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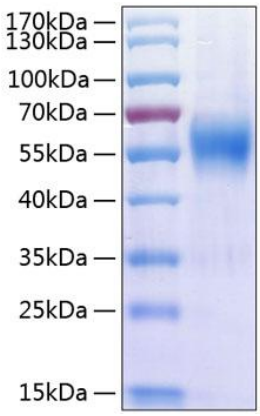
Validation Data



Immobilized Recombinant human IL17RA , His Tag at 2 μg/mL (100 μL/well) can bind Recombinant human IL-17A,His Tag with a linear range of 31.25-65ng/mL.



Recombinant Human IL17RA inhibits IL-17A induced IL-6 secretion by Hela cells. The ED_{50} for this effect is 0.02-0.1 μg/mL in the presence of 10 ng/mL recombinant human IL-17A.



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