

Recombinant Mouse IL-17RA/CD217 Protein

Catalog No.: RP01592

Sequence Information

Species **Gene ID**
Mouse 16172

Swiss Prot **Tags**
Q60943 C-hFc

Synonyms

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

Product Information

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

Calculated MW **Observed MW**
59.29 kDa 75-100 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.

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.

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 Mouse IL-17RA/CD217 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser32-Trp322) of mouse IL-17RA/CD217 (Accession #NP_032385.1) fused with a hFc tag at the C-terminus.

Activity

Measured by its binding ability in a functional ELISA. Immobilized Mouse IL-17A/CTLA-8 at 2 μg/mL (100 μL/well) can bind Mouse IL-17RA/CD217 with a linear range of 0.1-26 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°C

Operational Notes

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

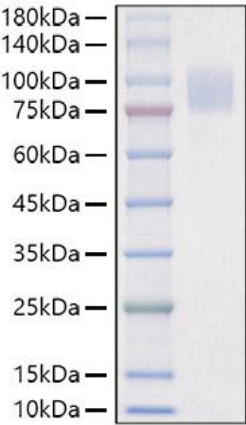
Contact

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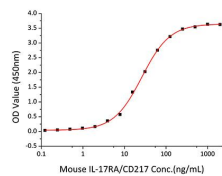
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Validation Data



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



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