

Recombinant Mouse IL-17RA/CD217 Protein

Catalog No.: RP01592 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	16172	Q60943

Tags

C-hFc

Synonyms

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

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

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.

Contact

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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.

Bio-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.

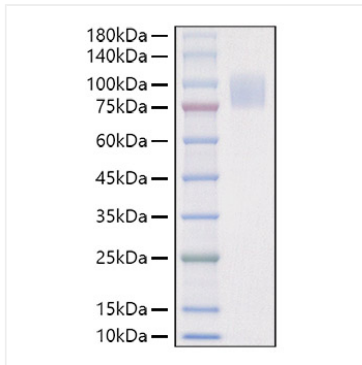
Storage

Store the lyophilized protein at -20°C to -80°C for long term.

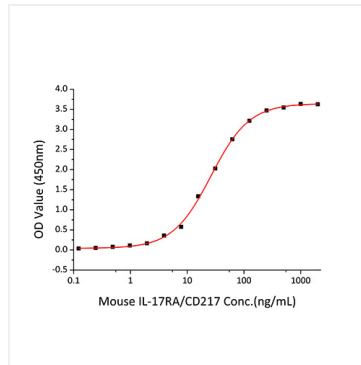
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Mouse IL-17RA/CD217 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 67-77kDa.



Immobilized Mouse IL-17A/CTLA-8 at 2 μ g/mL (100 μ L/well) can bind Mouse IL-17RA/CD217 with a linear range of 0.1-26 ng/mL.