

For Research Use Only

Recombinant Mouse IL-17RA protein (rFc Tag)



Catalog Number: Eg2584

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ μ g protein, LAL method

Source:

HEK293-derived Mouse IL-17RA protein Ser32-Trp322 (Accession# Q60943) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

16172

Accession:

Q60943

Predicted Molecular Mass:

59.3 kDa

SDS-PAGE:

68-100 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

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

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

IL-17 is a proinflammatory cytokine. IL-17 can signal as homodimers or heterodimers through a heterodimeric receptor formed by IL-17 receptor A (IL-17RA) and IL-17 receptor C (IL-17RC) subunits. IL-17RA is ubiquitously expressed in both the epithelial and hematopoietic cell compartments. IL-17/IL-17RA signaling plays an important physiological role in regulating the mucosal host defense against invading microorganisms, but it can also play pathogenic roles in several inflammatory or autoimmune conditions; furthermore, it has been described as pro-tumorigenic in several cancer types.

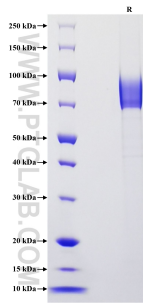
References

1. Brackman, Lee C et al. ImmunoHorizons vol. 8,4 (2024): 339-353.
2. Theune, William C et al. Frontiers in immunology vol. 15 1408710. 14 Jun. 2024,
3. Denk, Dominic et al. Immunity vol. 58,3 (2025): 701-715.e8.

Synonyms

CD217, IL-17 receptor A, Il17r, Il17ra, Interleukin-17 receptor A

Selected Validation Data



Purity of Recombinant Mouse IL-17RA was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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