For Research Use Only

Recombinant Mouse IL-17RB protein (rFc Tag)

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Catalog Number: Eg2798

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-17RB protein Arg18-Gly286 (Accession# Q9JIP3-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
50905

Accession:
Q9JIP3-1

Predicted Molecular Mass:
55.4 kDa

SDS-PAGE:
60-70 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℃ to -80℃ as lyophilized proteins.
- 3 months, -20℃ to -80℃ 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-17RB is a 47.9 kDa transmembrane protein (462 aa) that belongs to the IL-17 receptor family. IL 17RB has a SEFIR cytoplasmic domain implicated in homotypic dimerization and recruitment of signaling proteins (shared with IL-17RA) and a TRAF6-binding domain (not found in IL-17RA). IL-17RB is expressed in various endocrine tissues and epithelial cells in different organs such as kidney, liver, and mucosal tissues. The IL-17B/IL-17RB pathway is considered as a signaling cascade that promotes cancer cell survival, proliferation and migration. The pro-tumor functions associated with the IL 17B/IL-17RB pathway are diverse and complex because they involve mechanisms that act directly on tumor cells, and also indirect mechanisms that lead to tumor microenvironment remodeling.

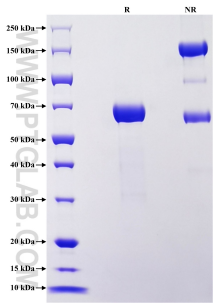
References

1.Teng YS. et al. (2019) Cell Death Dis. 10(2):79.
2.Bastid J. et al. (2020) Front Immunol. 11:718.
3.Wilson SC. et al. (2022) Nature. 609(7927):622-629.

Synonyms

Evi27, IL-17 receptor B, IL-17 receptor homolog 1, IL-17B receptor, Il17br

Selected Validation Data



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