

For Research Use Only

Recombinant Mouse IL-17RB protein (mFc Tag) (HPLC verified)



Catalog Number: Eg4195

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE
>90 %, SEC-HPLC

Tag:
mFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE
>90 %, SEC-HPLC

Endotoxin Level:
<0.1 EU/ μg protein, LAL method

Source:
HEK293-derived Mouse IL-17RB protein Arg18-Gly286 (Accession# Q9JIP3-1) with a mouse IgG Fc tag at the C-terminus.

GeneID:
50905

Accession:
Q9JIP3-1

Predicted Molecular Mass:
56.4 kDa

SDS-PAGE:
60-72 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μm 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-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.

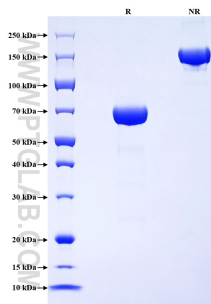
References

- 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.

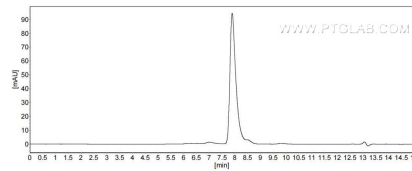
Synonyms

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.



The purity of Mouse IL-17RB was greater than 90% as determined by SEC-HPLC.

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

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