

Recombinant Mouse TSLP protein (rFc Tag)

Catalog Number: Eg3312

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ µg protein, LAL method

Source:

HEK293-derived Mouse TSLP protein Tyr20-Glu140 (Accession# Q9JIE6) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

53603

Accession:

Q9JIE6

Predicted Molecular Mass:

40.2 kDa

SDS-PAGE:

43-55 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

Thymic stromal lymphopoietin (TSLP) is a 24 kDa monomeric glycoprotein that was originally identified as a product of a thymic stromal cell line. TSLP mainly impacts myeloid cells and induces the release of T cell-attracting chemokines from monocytes and enhances the maturation of CD11c+ dendritic cells. It can induce allergic inflammation by directly activating mast cells. TSLP is expressed in a number of tissues including heart, liver and prostate. Human TSLP shares only 38% aa sequence identity with mouse TSLP in the mature region. TSLP has been shown to expand the CD4+ subset of lymphocytes and thymocytes and thus regulate CD4+ homeostasis. Overexpression of TSLP causes imbalances in lymphopoiesis and myelopoiesis.

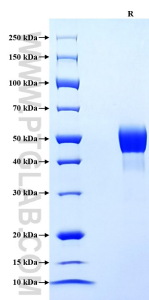
References

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3. Quentmeier H. et al. (2001) Leukemia. 15:1286-1292.
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Synonyms

Thymic stroma-derived lymphopoietin, Thymic stromal lymphopoietin, Tslp

Selected Validation Data



Purity of Recombinant Mouse TSLP 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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