

Biotinylated Recombinant Human Thymic stromal lymphopoietin/TSLP (R127A, R130A) Protein

Catalog No.: RP02094 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	85480	Q969D9

Tags

C-His&Avi

Synonyms

TSLP

Product Information

Source	Purification
HEK293 cells	> 95% by Tris-Bis PAGE;> 95% by SEC-HPLC

Endotoxin

< 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 tube 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.

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Background

Basic Information

Description

Biotinylated Recombinant Human TSLP(R127A, R130A) Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Tyr29-Gln159;(R127A,R130A)) of Human TSLP(R127A, R130A) fused with His tag and Avi tag at the C-terminal.

Bio-Activity

Immobilized Biotinylated Human TSLP(R127A, R130A),His Tag at 1 μg/mL (100 μL/Well). Dose response curve for Human TSLPR,hFc Tag with the EC₅₀ of 17.5 ng/mL determined by ELISA. Immobilized Biotinylated Human TSLP(R127A,R130A) at 0.5 μg/mL (100 μL/Well). Dose response curve for Anti-Human TSLP Ab.with the EC₅₀ of 61.3 ng/mL determined by ELISA.

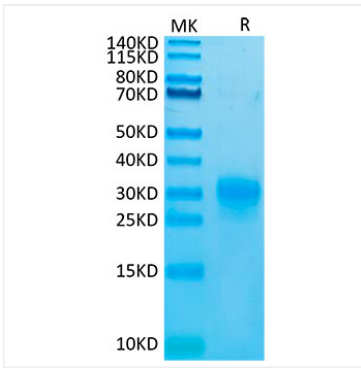
Storage

Store at -20°C.Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

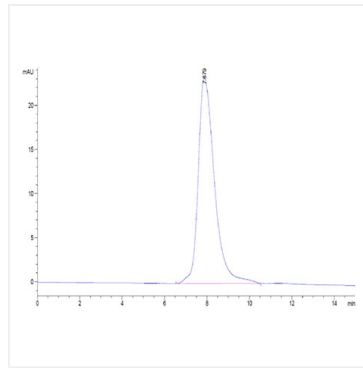
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

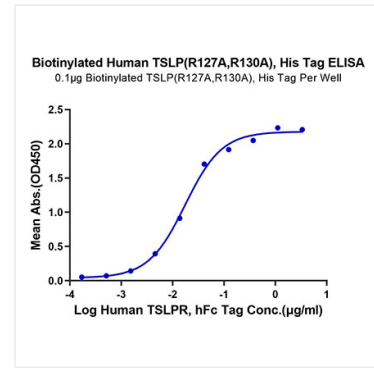
Validation Data



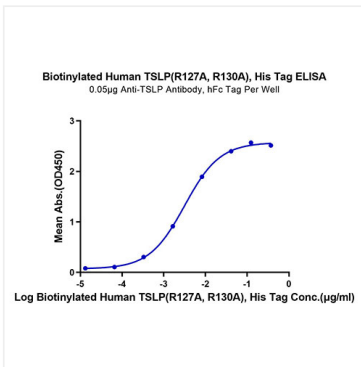
Biotinylated Human TSLP (R127A, R130A) on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Biotinylated Human TSLP (R127A, R130A) is greater than 95% as determined by SEC-HPLC.



Immobilized Biotinylated Human TSLP (R127A, R130A), His Tag at 1µg/ml (100µl/Well). Dose response curve for Human TSLPR, hFc Tag with the EC_{50} of 17.5ng/ml determined by ELISA.



Immobilized Anti-TSLP Antibody, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human TSLP (R127A, R130A), His Tag with the EC_{50} of 3.2ng/ml determined by ELISA.