

Human TSLPR Protein

Cat. No. TSP-HM20R



Description

Source	Recombinant Human TSLPR Protein is expressed from Expi293 with hFc tag at the C-terminal. It contains Gly25-Lys231.
Accession	Q9HC73-1
Molecular Weight	The protein has a predicted MW of 50.8 kDa. Due to glycosylation, the protein migrates to 60-75 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

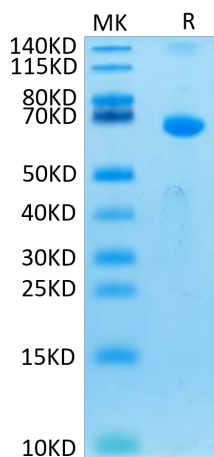
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended (usually we use 1mg/ml solution for lyophilization). Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please avoid freeze-thaw cycles.

Background

Thymic stromal lymphopoietin (TSLP) is an interleukin-7 (IL-7) like cytokine, which plays an important role in the regulation of immune responses to allergens. TSLP binds to a heterodimeric receptor complex composed of the IL-7 receptor alpha chain (IL-7Ralpha) and the TSLP receptor (TSLPR, also known as CRLF2).

Assay Data

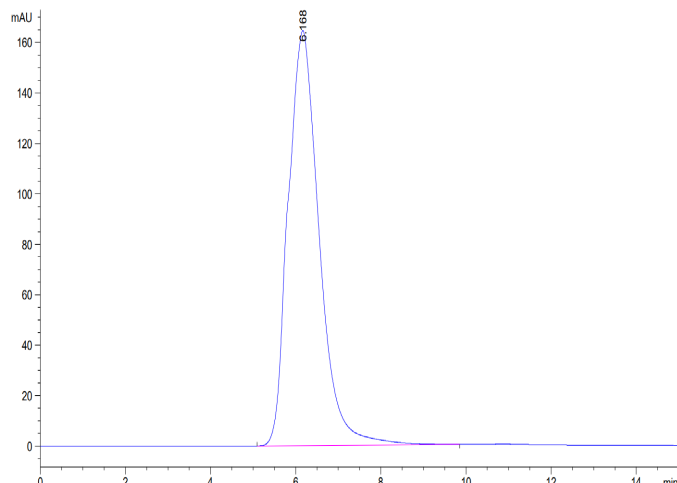
Tris-Bis PAGE



Human TSLPR on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data

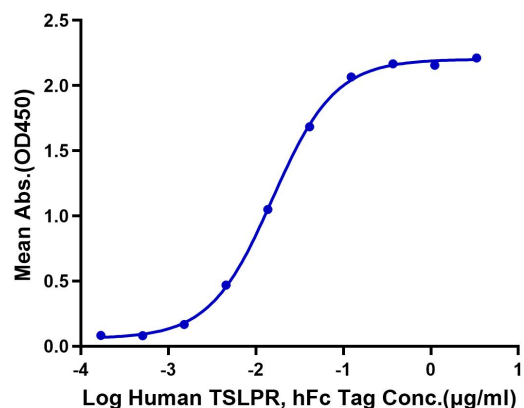


The purity of Human TSLPR is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human TSLPR, hFc Tag ELISA

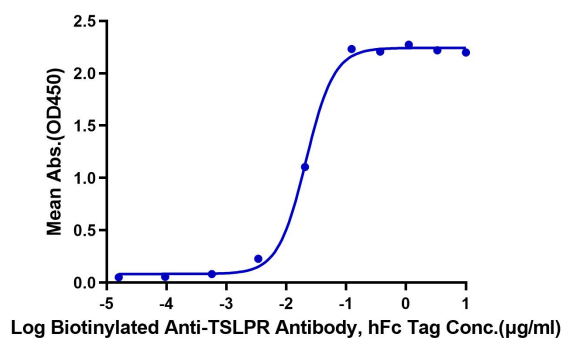
0.1µg Human TSLP (R127A,R130A), His Tag Per Well



Immobilized Human TSLP (R127A, R130A) at 1µg/ml (100µl/Well). Dose response curve for Human TSLPR, hFc Tag with the EC50 of 15.5ng/ml determined by ELISA.

Human TSLPR, hFc Tag ELISA

0.05µg Human TSLPR, hFc Tag Per Well



Immobilized Human TSLPR, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-TSLPR Antibody, hFc Tag with the EC50 of 21.4ng/ml determined by ELISA.