

FITC-Labeled Human TSLP Protein

Cat. No. TSP-HM401F

Description

Source	Recombinant FITC-Labeled Human TSLP Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus. It contains Tyr29-Gln159.
Accession	Q969D9-1
Molecular Weight	The protein has a predicted MW of 17.8 kDa. Due to furin cleavage site, the protein migrates to 12 kDa & 25-30 kDa based on Bis-Tris PAGE result.
Wavelength	Excitation Wavelength: 490 nm Emission Wavelength: 520 nm
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

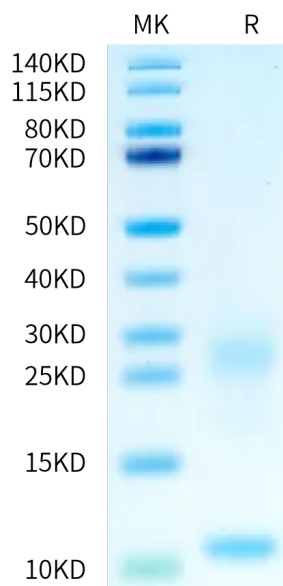
Formulation	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Thymic Stromal Lymphopoietin (TSLP) was originally identified as an activity from the conditioned medium of a mouse thymic stromal cell line that promoted the development of B cells. Cytokine that induces the release of T-cell-attracting chemokines from monocytes and, in particular, enhances the maturation of CD11c dendritic cells. Can induce allergic inflammation by directly activating mast cells.

Assay Data

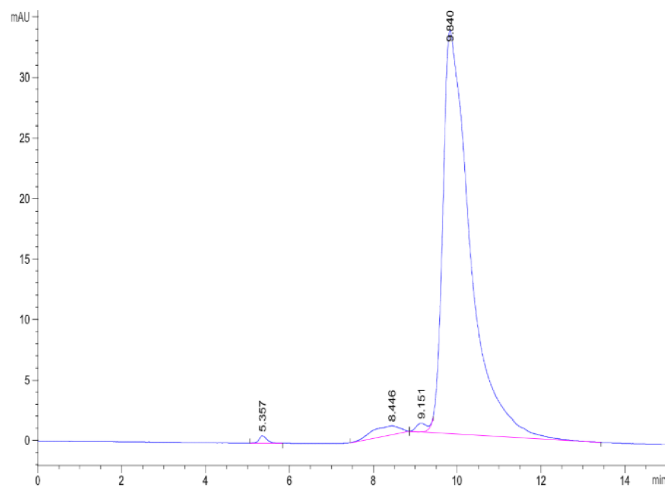
Bis-Tris PAGE



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

SEC-HPLC

Assay Data

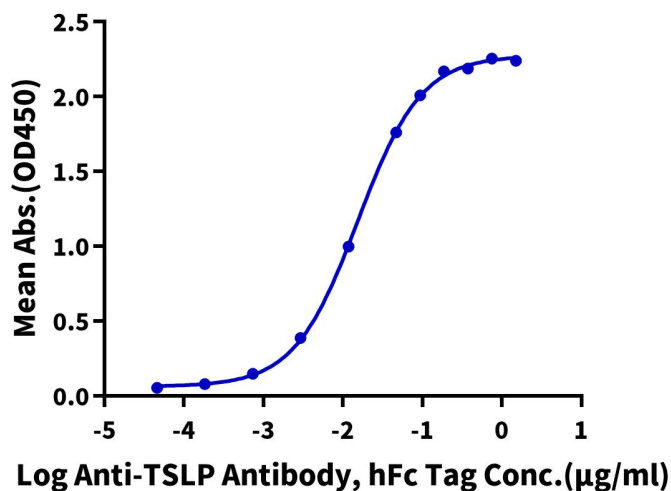


The purity of FITC-Labeled Human TSLP is greater than 95% as determined by SEC-HPLC.

ELISA Data

FITC-Labeled Human TSLP, His Tag ELISA

0.2µg FITC-Labeled Human TSLP, His Tag Per Well



Immobilized FITC-Labeled Human TSLP, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Anti-TSLP Antibody, hFc Tag with the EC50 of 15.4ng/ml determined by ELISA.