

Cynomolgus TSLP Protein, Ultra Low Endotoxin

Cat. No. TSP-CM103-UL

Description

Source	Recombinant Cynomolgus TSLP Protein is expressed from HEK293 with His tag at the C-terminus. It contains Tyr29-Gln159.
Accession	XP_005557555.3
Molecular Weight	The protein has a predicted MW of 16.81 kDa. Due to the furin cleavage site, the protein migrates to 8 kDa, 18-22 kDa and 25-30 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

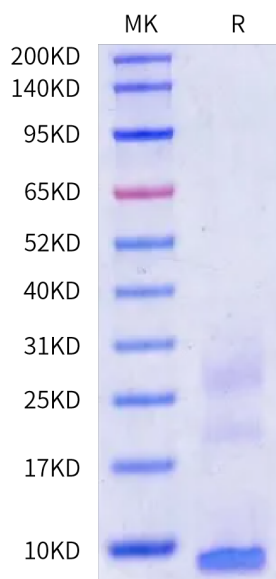
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. 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

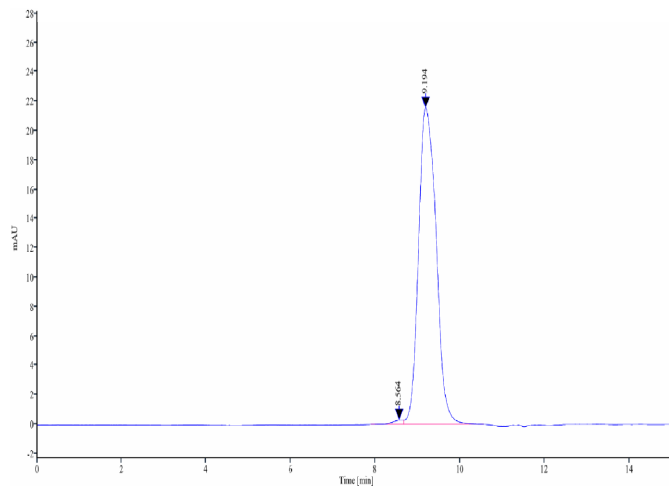
Bis-Tris PAGE



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

SEC-HPLC

Assay Data

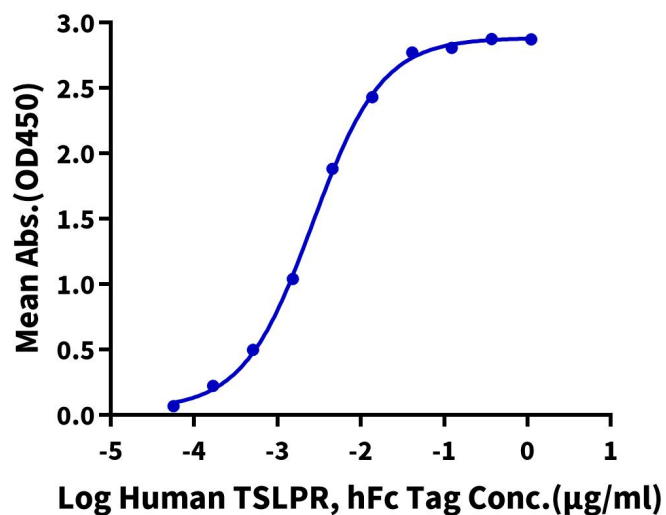


The purity of Cynomolgus TSLP is greater than 95% as determined by SEC-HPLC.

ELISA Data

Cynomolgus TSLP, His Tag ELISA

0.1µg Cynomolgus TSLP, His Tag Per Well

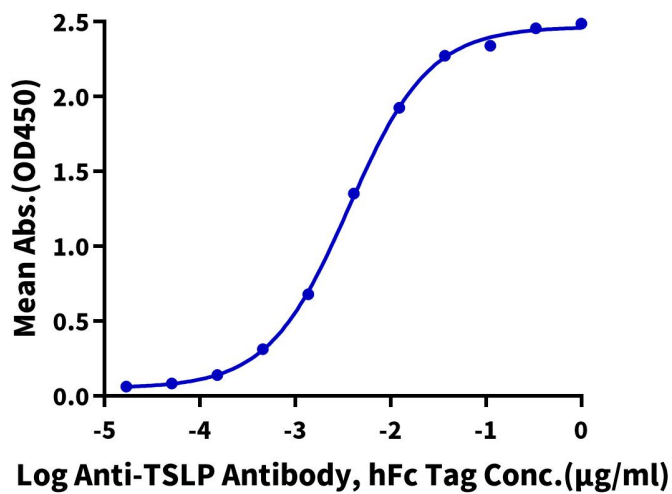


Immobilized Cynomolgus TSLP, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Human TSLPR, hFc Tag (Cat. TSP-HM20R) with the EC50 of 2.6ng/ml determined by ELISA.

Assay Data

Cynomolgus TSLP, His Tag ELISA

0.05µg Cynomolgus TSLP, His Tag Per Well



Immobilized Cynomolgus TSLP, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-TSLP Antibody, hFc Tag with the EC50 of 3.6ng/ml determined by ELISA.