

# Biotinylated Cynomolgus TSLP Protein (Primary Amine Labeling)



Cat. No. TSP-CM101B

## Description

|                         |   |
|-------------------------|---|
| <b>Source</b>           | Recombinant Biotinylated Cynomolgus TSLP Protein (Primary Amine Labeling) is expressed from HEK293 with His tag at the C-Terminus.<br>It contains Tyr29-Gln159. |
| <b>Accession</b>        | A0A7N9CAT7  |
| <b>Molecular Weight</b> | The protein has a predicted MW of 16.3 kDa. Due to glycosylation, the protein migrates to 10-13 kDa based on Tris-Bis PAGE result.                              |
| <b>Endotoxin</b>        | Less than 1EU per µg by the LAL method.   |
| <b>Purity</b>           | > 90% as determined by Tris-Bis PAGE<br>> 90% as determined by HPLC   |

## Formulation and Storage

|                       |  |
|-----------------------|--|
| <b>Formulation</b>    | Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.  |
| <b>Reconstitution</b> | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.   |
| <b>Storage</b>        | -20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3-6 months after reconstitution. 2-8°C for 2-7 days 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

### Tris-Bis PAGE



Biotinylated Cynomolgus TSLP on Tris-Bis PAGE under reduced conditions. The purity is greater than 90%.

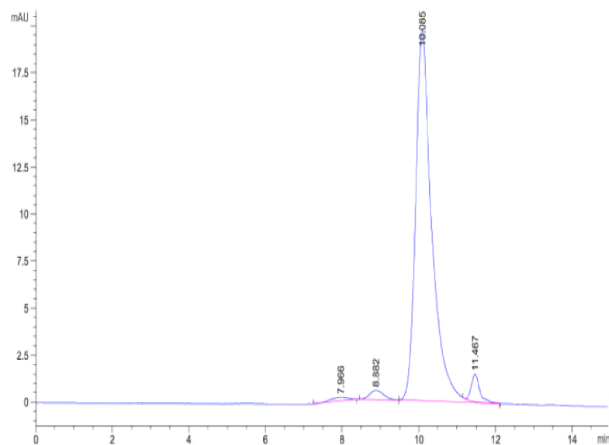
### SEC-HPLC

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## Assay Data



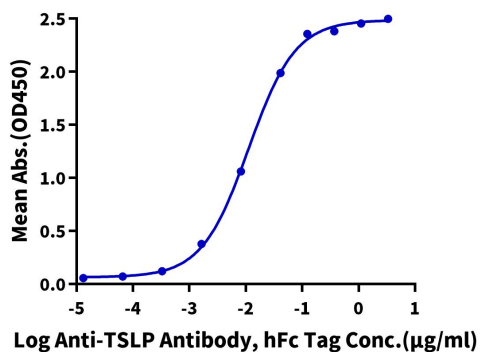
The purity of Biotinylated Cynomolgus TSLP is greater than 90% as determined by SEC-HPLC.

Assay Data

ELISA Data

**Biotinylated Cynomolgus TSLP, His Tag ELISA**

0.05µg Biotinylated Cynomolgus TSLP, His Tag Per Well

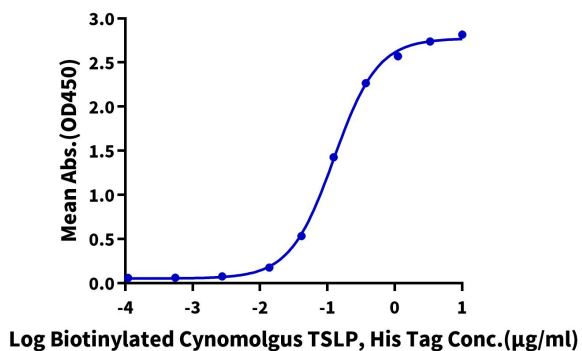


Immobilized Biotinylated Cynomolgus TSLP, His Tag at 0.5µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Anti-TSLP Antibody, hFc Tag with the EC50 of 11.2ng/ml determined by ELISA (QC Test).

ELISA Data

**Biotinylated Cynomolgus TSLP, His Tag ELISA**

0.2µg Cynomolgus TSLPR, His Tag Per Well



Immobilized Cynomolgus TSLPR, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Cynomolgus TSLP, His Tag with the EC50 of 0.12µg/ml determined by ELISA.