

Biotinylated Cynomolgus TSLP Protein (Primary Amine Labeling)



Cat. No. TSP-CM101B

Description

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

Formulation and Storage

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|-----------------------|---|
| Formulation | Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| Reconstitution | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water. |
| 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

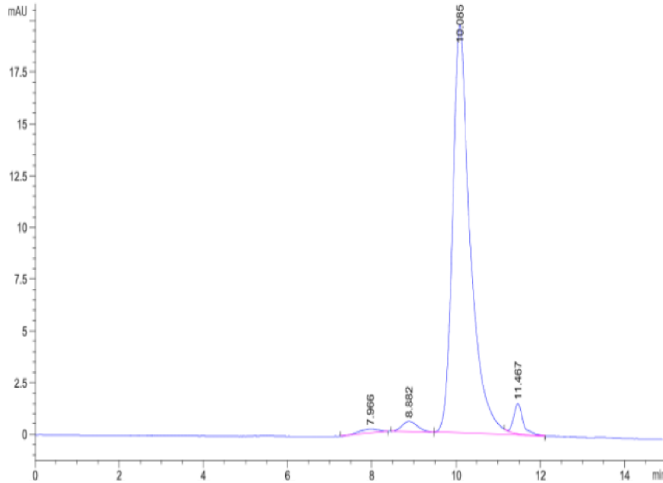
Bis-Tris PAGE



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

SEC-HPLC

Assay Data

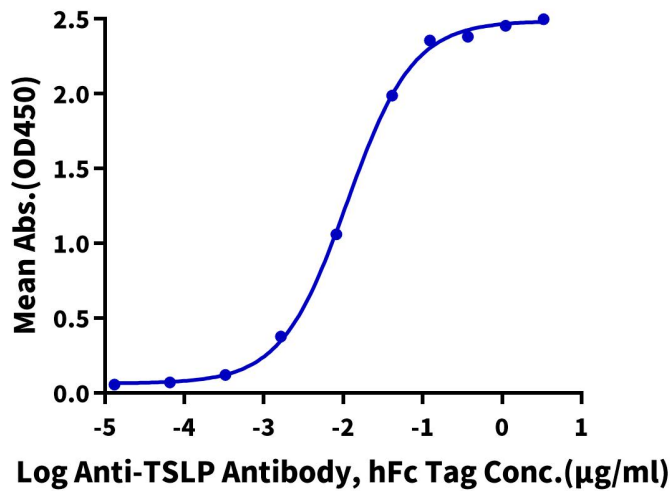


The purity of Biotinylated Cynomolgus TSLP is greater than 90% as determined by SEC-HPLC.

ELISA Data

Biotinylated Cynomolgus TSLP, His Tag ELISA

0.05µg Biotinylated Cynomolgus TSLP, His Tag Per Well

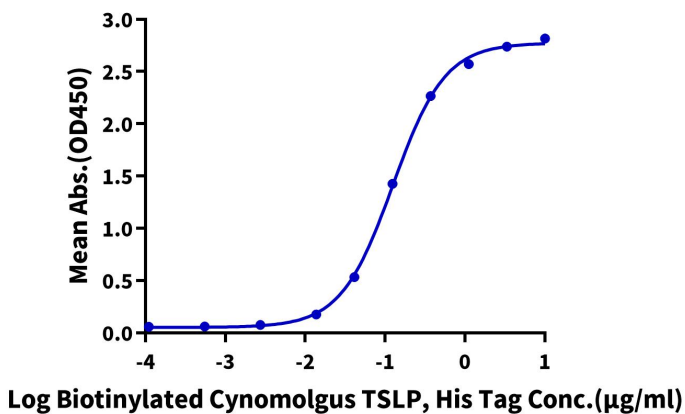


Immobilized Biotinylated Cynomolgus TSLP, His Tag at 0.5µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Anti-TSLP Antibody, hFc Tag with the EC50 of 11.2ng/ml determined by ELISA (QC Test).

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.