

Cynomolgus TSLPR Protein



Cat. No. TSP-CM10R

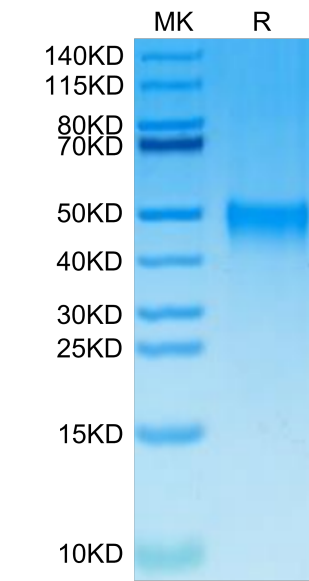
| Description      |                                                                                                                                     |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Source           | Recombinant Cynomolgus TSLPR Protein is expressed from HEK293 with His tag at the C-Terminus.<br>It contains Gln23-Lys231.          |
| Accession        | XP_045239630.1                                                                                                                      |
| Molecular Weight | The protein has a predicted MW of 25.42 kDa. Due to glycosylation, the protein migrates to 42-52 kDa based on Bis-Tris PAGE result. |
| Endotoxin        | Less than 1EU per µg by the LAL method.                                                                                             |
| Purity           | > 95% as determined by Bis-Tris PAGE<br>> 95% as determined by HPLC                                                                 |

| Formulation and Storage |                                                                                                                                                                                                                       |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Formulation             | Lyophilized from 0.22µm 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) 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

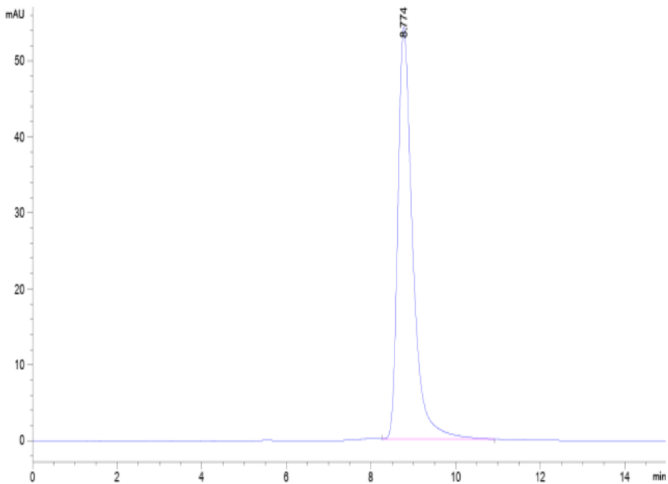
Bis-Tris PAGE



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

SEC-HPLC

Assay Data

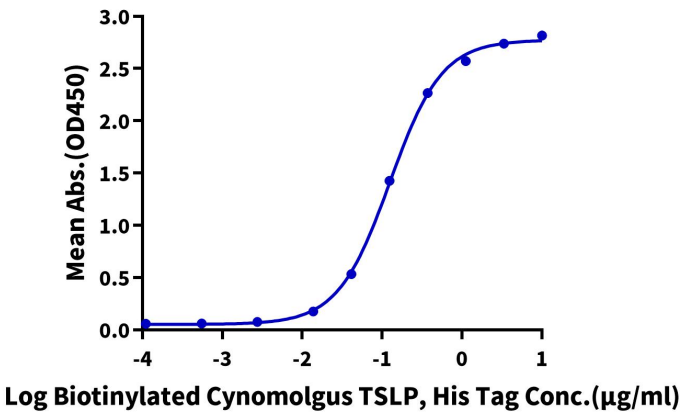


The purity of Cynomolgus TSLPR is greater than 95% as determined by SEC-HPLC.

ELISA Data

Cynomolgus TSLPR, His Tag ELISA

0.2µg Cynomolgus TSLPR, His Tag Per Well

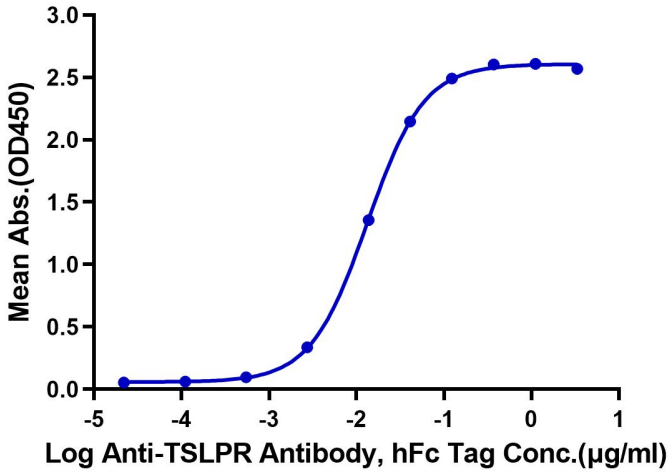


Immobilized Cynomolgus TSLPR, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Cynomolgus TSLP, His Tag with the EC50 of 0.12µg/ml determined by ELISA (QC Test).

ELISA Data

Cynomolgus TSLPR, His Tag ELISA

0.05µg Cynomolgus TSLPR, His Tag Per Well



Immobilized Cynomolgus TSLPR, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-TSLPR Antibody, hFc Tag with the EC50 of 13.3ng/ml determined by ELISA.