

PRODUCT INFORMATION

TSLP Target Synonyms TSI P

Recombinant human TSLP protein with C-terminal Description

human Fc tag

Delivery In Stock **Uniprot ID** Q969D9 **HEK293 Expression Host**

Tag C-Human Fc Tag

Molecular

Storage & Shipping

Background

TSLP(Tyr29-Gln159) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of **Molecular Weight**

41.1 kDa after removal of the signal peptide. The apparent molecular mass of TSLP-hFc is

approximately 55-70 kDa due to glycosylation.

The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Formulation & Reconstitution

for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store

at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

This gene encodes a hemopoietic cytokine proposed to signal through a heterodimeric receptor complex composed of the thymic stromal lymphopoietin receptor and the IL-7R

alpha chain. It mainly impacts myeloid cells and induces the release of T cell-attracting chemokines from monocytes and enhances the maturation of CD11c() dendritic cells. The protein promotes T helper type 2 (TH2) cell responses that are associated with immunity in various inflammatory diseases, including asthma, allergic inflammation and chronic obstructive pulmonary

disease. The protein is therefore considered a potential therapeutic target for the treatment of

potential therapeutic target for the treatment of such diseases. In addition, the shorter (predominant) isoform is an antimicrobial protein, displaying antibacterial and antifungal activity against B. cereus, E. coli, E. faecalis, S. mitis, S. epidermidis, and C. albicans. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jul 2020]

Usage Research use only Conjugate Unconjugated



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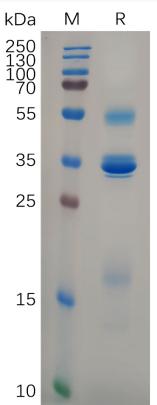


Figure 1. Human TSLP Protein, hFc Tag on SDS-PAGE under reducing condition.

Human TSLP, hFc Tagged protein ELISA

0.5 μg of Human TSLP, hFc tagged protein per well

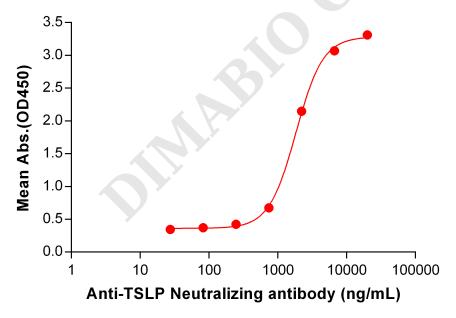


Figure 2. ELISA plate pre-coated by 5 μ g/mL (100 μ L/well) Human TSLP Protein, hFc Tag (PME100637) can bind Anti-TSLP Neutralizing antibody BME100112 in a linear range of 741–6667 ng/mL.

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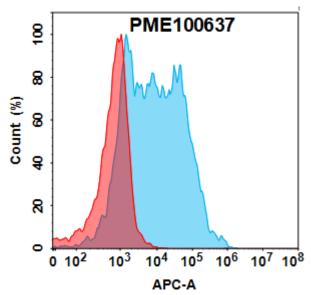


Figure 3. Flow cytometry analysis with $1\mu g/mL$ Human TSLP Protein, hFc Tag(PME100637) on HEK293 cells transfected with Human CRLF2 protein (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

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