

## TSLP Protein, Human (Biotinylated, HEK293, His-Avi)

Cat. No.:	HY-P78224
Synonyms:	thymic stromal lymphopoietin; TSLP
Species:	Human
Source:	HEK293
Accession:	Q969D9 (Y29-Q159)
Gene ID:	85480
Molecular Weight:	Approximately 12 kDa&25-30 kDa

### PROPERTIES

<b>Biological Activity</b>	<ol style="list-style-type: none"> <li>1. Immobilized Biotinylated Human TSLP His at 0.5 µg/mL (100µL/Well). Dose response curve for Anti-Human TSLP Ab hFc with the EC<sub>50</sub>&lt;62.7 ng/mL determined by ELISA.</li> <li>2. Immobilized Anti-TSLP Antibody, hFc Tag at 0.5 µg/mL (100 µl/well) on the plate. Dose response curve for Biotinylated Human TSLP, His Tag with the EC<sub>50</sub> ≤ 2.8 ng/mL determined by ELISA.</li> </ol>
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Normally 5% trehalose is added as protectant before lyophilization.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
<b>Storage &amp; Stability</b>	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	The TSLP protein is a cytokine that stimulates the release of T-cell-attracting chemokines from monocytes, with a particular effect on enhancing the maturation of CD11c(+) dendritic cells. Additionally, this protein can directly activate mast cells, potentially leading to the induction of allergic inflammation. It is also suggested that TSLP may have antimicrobial properties in the oral cavity and on the skin.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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