

TSLP Protein, Human (HEK293, His-Avi)

Cat. No.:	HY-P78532
Synonyms:	thymic stromal lymphopoietin; TSLP
Species:	Human
Source:	HEK293
Accession:	Q969D9 (Y29-Q159)
Gene ID:	85480
Molecular Weight:	Approximately 12 kDa & 20-25 kDa

PROPERTIES

Biological Activity	<ol style="list-style-type: none">1. Immobilized Human TSLP, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Human TSLPR, hFc Tag with the EC₅₀ of 0.1µg/ml determined by ELISA.2. Immobilized Human TSLP, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-TSLP Antibody, hFc Tag with the EC₅₀ of 66.0ng/ml determined by ELISA.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Normally 5% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	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.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	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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