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## anti-Thymic Stromal Lymphopoietin antibody (Biotin)



Image



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100 μg	
Thymic Stromal Lymphopoietin (TSLP)	
Human	
Rabbit	
Polyclonal	
This Thymic Stromal Lymphopoietin antibody is conjugated to Biotin	
Western Blotting (WB), ELISA	
Anti-TSLP antibody was prepared from rabbit antiserum after repeated immunizations with a	
truncated form of recombinant human TSLP protein from E. coli.	
Immunogen Type: Recombinant Protein	
IgG	
Cross reactivity with TSLP from other sources has not been determined.	
Anti-TSLP is an IgG fraction antibody purified from monospecific antiserum by a multi-step	
process which includes delipidation, salt fractionation and ion exchange chromatography	
followed by extensive dialysis against the buffer stated above. This antibody is specific for	
human TSLP protein. A BLAST analysis was used to suggest cross-reactivity with TSLP from	
human sources based on 100 % homology with the immunizing sequence. Assay by	
immunoelectrophoresis resulted in a single precipitin arc against anti-Biotin and anti-Rabbit	
Serum.	

### **Product Details** Endotoxin Level: Low Endotoxin: No **Target Details** Target: Thymic Stromal Lymphopoietin (TSLP) TSLP (TSLP Products) Alternative Name: Background: Thymic Stromal Lymphopoietin (TSLP) is a hematopoietic cytokine. TSLP is mainly expressed in the heart, liver and prostate. TSLP sends signals through a heterodimeric receptor complex, containing the TSLP-R and the IL-7Ra chain to induce the release of T cell-attracting chemokines from monocytes. It can induce allergic inflammation by directly activating mast cells. It also promotes T helper type 2 (TH2) cell responses associated with immunity, including atopic dermatitis and asthma, and can promote TH2 cytokine-associated inflammation by directly promoting the effector functions of CD4+ TH2 cells, basophils and other granulocyte populations while simultaneously limiting the expression of dendritic cells derived proinflammatory cytokines and promoting regulatory T cell responses in peripheral tissues. Recombinant human TSLP is a non-glycosylated protein with a molecular weight of 15 kDa. Anti-TSLP antibody is ideal for researchers interested in cytokines and stem cell research. Synonyms: Thymic Stromal Lymphopoietin Gene ID: 85480 NCBI Accession: NP\_149024 UniProt: Q969D9

#### **Application Details**

Restrictions:

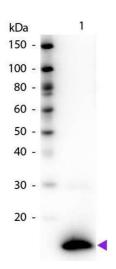
Application Notes:	TSLP purified antibody has been tested for use in ELISA and western blotting. Specific	
	conditions for reactivity should be optimized by the end user. Expect a band approximately 18	
	kDa in size corresponding to the human TSLP protein by western blotting in appropriate cell	
	lysate or extract.	
	ELISA Dilution: 1:20.000 - 1:50.000	
	Fluorochrome Protein Value: 10-20	
	Western Blot Dilution: 1:1000-1:2000	

For Research Use only

#### Handling

Format:	Lyophilized
Reconstitution:	Restore with 100 µL deionized water (or equivalent)
Concentration:	1 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Storage:	4 °C/-20 °C
Storage Comment:	Store vial at 4 °C prior to restoration. For extended storage aliquot contents and freeze at -20 °C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4 °C as an undiluted liquid. Dilute only prior to immediate use.
Expiry Date:	Expiration date is one (1) year from date of opening.

#### **Images**



#### **Western Blotting**

**Image 1.** Western blot of Biotin conjugated Rabbit Anti-TSLP primary antibody. Lane 1: Human TSLP. Lane 2: None. Load: 50 ng per lane. Primary antibody: TSLP Biotin conjugated antibody at 1:1,000 for 60 min at RT. Secondary antibody: Peroxidase streptavidin secondary antibody at 1:40,000 for 30 min at RT. Blocking: ABIN925618 for 30 min at RT. Observed/Predicted size: 13 kDa, 13 kDa for Human TSLP. Other band(s): None.