

Datasheet for ABIN1607858

**anti-Thymic Stromal Lymphopoietin antibody**

1 Image

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## Overview

Quantity:	100 µg
Target:	Thymic Stromal Lymphopoietin (TSLP)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA

## Product Details

Immunogen:	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
Isotype:	IgG
Cross-Reactivity (Details):	Cross reactivity with TSLP from other sources has not been determined.
Purity:	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.
Endotoxin Level:	Low Endotoxin : No

## Target Details

Target:	Thymic Stromal Lymphopoietin (TSLP)
Alternative Name:	TSLP ( <a href="#">TSLP Products</a> )
Background:	<p>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-7R<math>\alpha</math> 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<sup>+</sup> 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.</p> <p>Synonyms: Thymic Stromal Lymphopoietin</p>
Gene ID:	85480
NCBI Accession:	<a href="#">NP_149024</a>
UniProt:	<a href="#">Q969D9</a>

## Application Details

Application Notes:	<p>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.</p> <p>ELISA Dilution: 1:20.000 - 1:50.000</p> <p>Western Blot Dilution: 1:1000-1:2000</p>
Restrictions:	For Research Use only

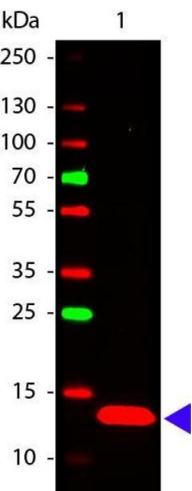
## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Handling Advice:	Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.

## Handling

Storage:	-20 °C
Storage Comment:	Store vial at -20 °C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below.
Expiry Date:	Expiration date is one (1) year from date of opening.

## Images



### Western Blotting

**Image 1.** Western Blot of Rabbit anti-TSLP antibody. Lane 1: Human TSLP Recombinant Protein. Lane 2: None. Load: 50 ng per lane. Primary antibody: TSLP antibody at 1:1,000 for overnight at 4°C. Secondary antibody: 649 rabbit secondary antibody at 1:20,000 for 30 min at RT. Block: ABIN925618 for 30 min at RT. Predicted/Observed size: 13 kDa, 13 kDa for Human TSLP. Other band(s): None.