

Datasheet for ABIN1607864

anti-Thymic Stromal Lymphopoietin antibody (Biotin)



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1 Image

Overview

Quantity:	100 µg
Target:	Thymic Stromal Lymphopoietin (TSLP)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Thymic Stromal Lymphopoietin antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	TSLP Antibody Biotin Conjugated
Immunogen:	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):	This antibody is specific for human TSLP protein.
Characteristics:	Synonyms: rabbit anti-TSLP biotin conjugated antibody, rabbit anti-Thymic Stromal Lymphopoietin biotin conjugated antibody
Purification:	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.
Labeling Ratio:	10-20

Target Details

Target:	Thymic Stromal Lymphopoietin (TSLP)
Alternative Name:	TSLP (TSLP Products)
Background:	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.
Gene ID:	85480
NCBI Accession:	NP_149024
UniProt:	Q969D9

Application Details

Application Notes:	<p>Application Note: TSLP purified antibody has been tested in western blotting and suitable in ELISA. 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>Western Blot Dilution: 1:1000-1:2000</p> <p>ELISA Dilution: 1:20,000 - 1:50,000</p>
Restrictions:	For Research Use only

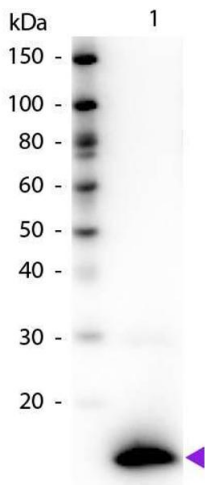
Handling

Format:	Lyophilized
Reconstitution:	<p>Reconstitution Volume: 100 µL</p> <p>Reconstitution Buffer: Restore with deionized water (or equivalent)</p>
Concentration:	1 mg/mL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Handling

	Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free Preservative: 0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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:	12 months

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.