

Datasheet for 209-406-H48S**TSLP Antibody Biotin Conjugated****Overview**

Description:	Anti-TSLP (RABBIT) Antibody Biotin Conjugated - 209-406-H48S
Item No.:	209-406-H48S
Size:	25 µL
Applications:	WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

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-7R α 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:	rabbit anti-TSLP biotin conjugated antibody, rabbit anti-Thymic Stromal Lymphopoietin biotin conjugated antibody
Host Species:	Rabbit
Conjugate:	Biotin
Clonality:	Polyclonal
Format:	IgG
F/P Ratio:	10-20

Target Details

Gene Name:	TSLP
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Reactivity:	Human
Immunogen Type:	Recombinant Protein
Immunogen:	Anti-TSLP antibody was prepared from rabbit antiserum after repeated immunizations with a truncated form of recombinant human TSLP protein from E. coli.
Purity/Specificity:	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. Cross-reactivity with TSLP from other sources has not been determined.
Relevant Links:	• UniProtKB - Q969D9 • NCBI - NP_149024.1 • GenelD - 85480

Application Details

Tested Applications:	WB
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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:20,000 - 1:50,000
WB:	1:1000-1:2000

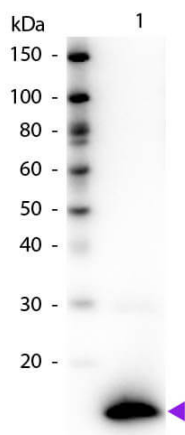
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	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. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot

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: MB-070 for 30 min at RT. Observed/Predicted size: 13 kDa, 13 kDa for Human TSLP. Other band(s): None.

Disclaimer

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