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Datasheet for 209-401-H48

TSLP Antibody

Overview

Description:	Anti-TSLP (RABBIT) Antibody - 209-401-H48
Item No.:	209-401-H48
Size:	100 µg
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-7Rα 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 antibody, rabbit anti-Thymic Stromal Lymphopoietin antibody
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	TSLP
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. Cross-reactivity with TSLP from other sources has not been determined.
Relevant Links:	• UniProtKB - Q969D9 • NCBI - NP_149024.1 • GeneID - 85480

Application Details

Tested Applications:	WB
Application Note:	TSLP purified antibody has been tested in western blotting and suitable for 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

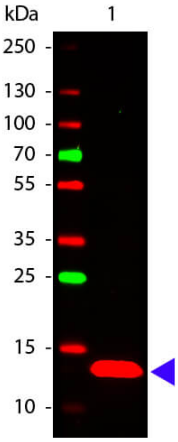
Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice

Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. 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.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot
Western Blot of Rabbit anti-TSLP antibody. Lane 1: Human TSLP Recombinant Protein. Load: 50 ng per lane. Primary antibody: TSLP antibody at 1:1,000 for overnight at 4°C. Secondary antibody: DyLight™ 649 rabbit secondary antibody (611-143-002) at 1:20,000 for 30 min at RT. Block: MB-070 for 30 min at RT. Predicted/Observed size: 13 kDa, 13 kDa for Human TSLP. Other band(s): None.

Disclaimer

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