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Datasheet for 600-401-FR9

Tslp Receptor Antibody

Overview

Description:	Anti-TSLP Receptor (RABBIT) Antibody - 600-401-FR9
Item No.:	600-401-FR9
Size:	100 µg
Applications:	ELISA, IF, WB
Reactivity:	Mouse
Host Species:	Rabbit

Product Details

Background:	Thymic stromal lymphopoietin (TSLP) has recently been identified as an important factor capable of driving dendritic cell maturation and activation. It is involved in the positive selection of regulatory T cells, maintenance of peripheral CD4+ T cell homeostasis and the induction of CD4+ T cell-mediated allergic reaction. TSLP is also capable of supporting the growth of fetal liver and adult B cell progenitors and their differentiation to the IgM-positive stage of B cell development. Its receptor TSLP-R will bind TSLP in a low-affinity fashion in transfected cells; co-transfection with IL-7R-alpha cDNA results in high-affinity binding and a functional heteromeric complex. This heteromeric receptor requires stat5 for TSLP-mediated signal transduction and is inhibited by SOCS-1. The approximately 75 kDa band seen in the immunoblot may be a post-translationally modified form of TSLP-R.
Synonyms:	TSLP Receptor Antibody, CRLM2, Ly114, Tpte2, Tslpr, Crlm2, Cytokine receptor-like factor 2, Cytokine receptor-like molecule 2, CRLM-2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	Crlf2
Reactivity:	Mouse
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-TSLP receptor antibody was prepared from whole rabbit serum produced by repeated immunizations with a 21 amino acid synthetic peptide from near the internal region of mouse TSLP receptor.
Purity/Specificity:	Anti-TSLP Receptor Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with TSLP Receptor from other sources has not been determined.
Relevant Links:	• UniProtKB - Q8CII9 • GeneID - 10194 • NCBI - NP_005777

Application Details

Tested Applications:	ELISA, IF, WB
Application Note:	Anti-TSLP Receptor Antibody has been tested for use in ELISA, Western Blotting and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 38 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
IF:	20 µg/mL
WB:	1 µg/mL

Formulation

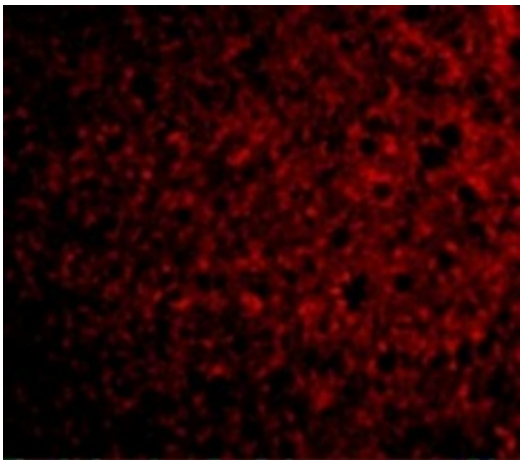
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

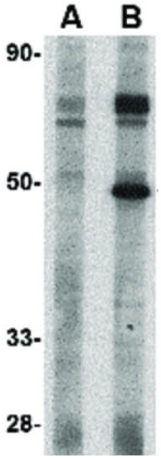
Shipping Condition:	Dry Ice

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



Immunofluorescence Microscopy
Immunofluorescence of TSLP Receptor in Mouse Liver cells with TSLP Receptor antibody at 20 µg/mL.



Western Blot
Western Blot of TSLP Receptor antibody. Lane A: Mouse heart tissue lysate in the presence of blocking peptide. Lane B: Mouse heart tissue lysate in the absence of blocking peptide. Load: 35 µg per lane. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C.
Predicted/Observed size: 117.9 kDa, ~50 kDa for TSLP Receptor antibody. Other band(s): TSLP Receptor antibody splice variants and isoforms.

Disclaimer

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