ARG66121
anti-TSLP antibody (Biotin)

Package: 50 µg
Store at: 4°C

Summary

Product Description	Biotin-conjugated Rabbit Polyclonal antibody recognizes TSLP
Tested Reactivity	Hu
Tested Application	ELISA, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TSLP
Species	Human
Immunogen	E. coli derived recombinant Human TSLP. (MYDFTNCDFE KIKAAYLSTI SKDLITYMSG TKSTEFNNTV SCSNRPHCLT EIQSLTFNPT AGCASLAKEM FAMKTKAALA IWCPGYSETQ INATQAMKKR RKRKVTTNKC LEQVSQLQGL WRRFNRPLLK QQ)
Conjugation	Biotin
Alternate Names	Thymic stromal lymphopoietin

Application Instructions

Application table

Application	Dilution
ELISA	Direct: 0.25 - 1.0 µg/ml Sandwich: 0.25 - 1.0 µg/ml with ARG66120 as a capture antibody
WB	0.1 - 0.2 µg/ml

Application Note

* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

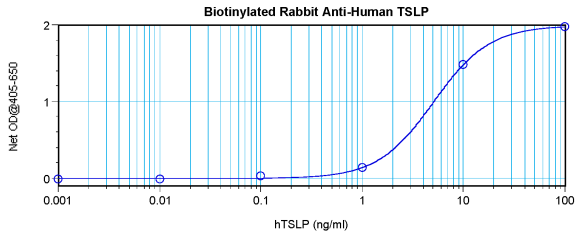
Properties

Form	Liquid
Purification	Purified by affinity chromatography.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

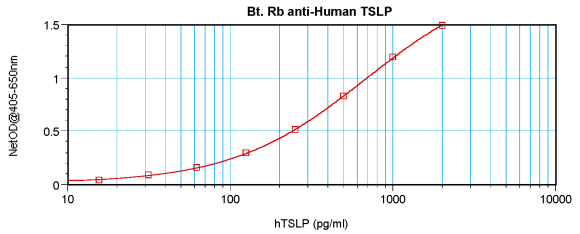
Database links	GeneID: 85480 Human
	Swiss-port # Q969D9 Human
Gene Symbol	TSLP
Gene Full Name	thymic stromal lymphopoietin
Background	This gene encodes a hemopoietic cytokine proposed to signal through a heterodimeric receptor complex composed of the thymic stromal lymphopoietin receptor and the IL-7R alpha chain. It mainly impacts myeloid cells and induces the release of T cell-attracting chemokines from monocytes and enhances the maturation of CD11c(+) dendritic cells. The protein promotes T helper type 2 (TH2) cell responses that are associated with immunity in various inflammatory diseases, including asthma, allergic inflammation and chronic obstructive pulmonary disease. The protein is therefore considered a potential therapeutic target for the treatment of such diseases. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jan 2012]
Function	Isoform 1: Cytokine that induces the release of T-cell-attracting chemokines from monocytes and, in particular, enhances the maturation of CD11c(+) dendritic cells. Can induce allergic inflammation by directly activating mast cells. Isoform 2: May act as an antimicrobial peptide in the oral cavity and on the skin. [UniProt]
Calculated Mw	18 kDa

Images



ARG66121 anti-TSLP antibody (Biotin) standard curve image

Direct ELISA: ARG66121 anti-TSLP antibody (Biotin) at 0.25 - 1.0 µg/ml results of a typical standard run with optical density reading at 405 - 650 nm.



ARG66121 anti-TSLP antibody (Biotin) standard curve image

Sandwich ELISA: ARG66121 anti-TSLP antibody (Biotin) as a detection antibody at 0.25 - 1.0 µg/ml combined with ARG66120 anti-TSLP antibody as a capture antibody. Results of a typical standard run with optical density reading at 405 - 650 nm.