

Datasheet for ABIN4987142

Thymic Stromal Lymphopoietin ELISA Kit[Go to Product page](#)**1** Image

Overview

Quantity:	96 tests
Target:	Thymic Stromal Lymphopoietin (TSLP)
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	0.02-1.0 ng/mL
Minimum Detection Limit:	0.02 ng/mL
Application:	ELISA

Product Details

Sample Type:	Cell Culture Supernatant, Serum, Plasma (heparin), Plasma (citrate), Plasma (EDTA)
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Natural and recombinant Mouse TSLP Ligand
Sensitivity:	7 pg/mL
Material not included:	<ul style="list-style-type: none">• Microplate reader.• Pipettes and pipette tips.• EP tube Deionized or distilled water.

Target Details

Target:	Thymic Stromal Lymphopoietin (TSLP)
---------	-------------------------------------

Target Details

Alternative Name:	TSLP (TSLP Products)
-------------------	----------------------------------------

Background:	<p>Thymic Stromal Lymphopoietin (TSLP) is a member of the B cell-stimulating factor family. Originally identified from the conditioned medium of a mouse thymic stromal cell line that promoted B-cell development, TSLP is expressed in thymus, spleen, kidney, lung, and bone marrow. Mouse TSLP cDNA encodes a 140 amino acid (aa) residue precursor protein with a 19 aa signal sequence. TSLP activity overlaps with that of IL-7, playing a key role in the development of B cells, as well as stimulating the growth of thymocytes and T cells. TSLP stimulates monocytes to produce T cell-attracting chemokines such as TARC (CCL17) and MDC (CCL22). TSLP also activates dendritic cell-primed CD4 T cells to produce Th2 cytokines, including IL-4, IL-5, IL-13, and TNFα. This hematopoietic cytokine binds to a heterodimeric receptor complex consisting of the IL-7R alpha chain (IL-7Rα) and the TSLP-specific chain (TSLPR). Binding induces activation of STAT3 and STAT5 via phosphorylation. Mouse TSLP shares approximately 43 % amino acid sequence identity with human TSLP.</p>
-------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Application Details

Application Notes:	Detection Wavelength: 450 nm
--------------------	------------------------------

Sample Volume:	20 μ L
----------------	------------

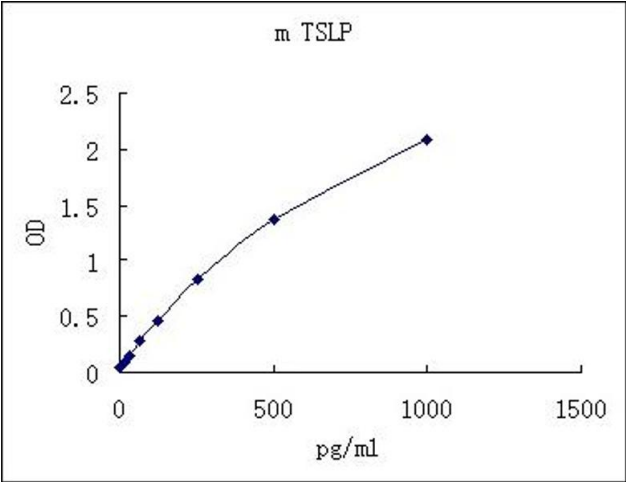
Assay Time:	3 h
-------------	-----

Plate:	Pre-coated
--------	------------

Restrictions:	For Research Use only
---------------	-----------------------

Handling

Storage:	4 °C
----------	------



ELISA

Image 1.