

## TSLP elisa kit

Human TSLP ELISA KIT

CATALOG #  
**AAA267229**

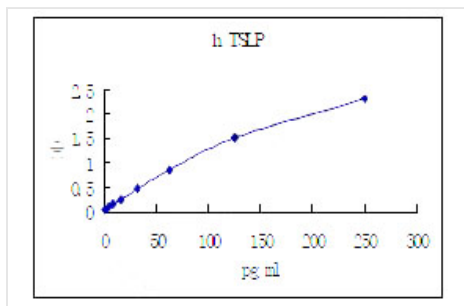
### PRODUCT SYNONYMS

TSLP; Human TSLP ELISA KIT; TSLP elisa kit

### PRODUCT SPECIFICATIONS

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|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Specificity     | This assay recognizes both natural and recombinant mouse TNF-alpha. The factors listed below were prepared at 50ng/ml in Standard /sample Diluent and assayed for cross-reactivity and no significant cross-reactivity or interference was observed. |
| Samples         | Cell Culture Supernates, Serum, And Plasma                                                                                                                                                                                                           |
| Assay Type      | Quantitative Sandwich                                                                                                                                                                                                                                |
| Detection Range | 15.6 pg/ml-1000 pg/ml                                                                                                                                                                                                                                |
| Sensitivity     | 7pg/mL.                                                                                                                                                                                                                                              |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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| Related Product Information for TSLP elisa kit | <p>Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. A monoclonal antibody specific for TNF-alpha has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TNF-alpha present is bound by the immobilized antibody. Following incubation unbound samples are removed during a wash step, and then a detection antibody specific for TNF-alpha is added to the wells and binds to the combination of capture antibody-TNF-alpha in sample. Following a wash to remove any unbound combination, and enzyme conjugate is added to the wells. Following incubation and wash steps a substrate is added. A coloured product is formed in proportion to the amount of TNF-alpha present in the sample. The reaction is terminated by addition of acid and absorbance is measured at 450nm. A standard curve is prepared from seven TNF-alpha standard dilutions and TNF-alpha sample concentration determined!!</p> <p>Background/Introduction: The prototype ligand of theTNFsuperfamily, TNF-alpha/TNFSF1A, is a pleiotropic cytokine that plays a central role in inflammation and apoptosis (1-4).TNF-alpha is produced by activated macrophages and other cell types including T and B cells, NK cells, LAK cells, astrocytes, endothelial cells, smooth muscle cells and some tumor cells (5-8).Mouse TNF-alpha cDNA encodes a 235 amino acid (aa) residue type II membrane protein (9). The 156 aa residue soluble TNF-alpha is released from the C-terminus of the membrane-anchored TNF-alpha by proteolytic cleavage by a matrix metalloprotease (10). The membrane-anchored form of TNF-alpha has been shown to have lytic activity and may also have an important role in intercellular communication (11). The biologically active TNF-alpha has been shown to exist as a trimer (12, 13).TNF-alpha is reported to promote inflammatory cell infiltration by upregulating leukocyte adhesion molecules on endothelial cells, serve as a chemotactic agent for monocytes, and activate phagocyte killing mechanisms (14). Deficiencies in either TNF-alpha or its receptors can increase susceptibility to infection by intracellular pathogens (15-16). TNF-may also play a role in lymphoid tissue development. Knockout mice lack splenic B cell follicles and the ability to form germinal centers (17, 18). Other potential physiological roles for TNF-alpha and its receptors include regulating the differentiation of hematopoietic stem and progenitor cells (19-21).</p> |
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**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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