Mouse anti-Human TSLP Monoclonal Antibody | anti-TSLP antibody

Mouse anti Human TSLP

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50436	**Mouse**	**Human**	**ELISA**

PRODUCT SYNONYMS

TSLP; Monoclonal Antibody; Mouse anti Human TSLP; TSLP antibody | H03-5E12; anti-TSLP antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	H03-5E12
Purity/Purification	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Form/Format	Phosphate buffered saline 0.09% Sodium Azide (NaN3) Purified IgG - liquid
Concentration	IgG concentration 1.0mg/ml (varies by lot)
Applicable Applications for anti-TSLP antibody	ELISA
Immunogen	E Coli derived recombinant full length human TSLP (Tyr29-Gln159)
Fusion Partners	Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0
Preparation and Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20 degree C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8 degree C for short term use (up to 4 weeks) and store the remaining aliquots at -20 degree C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

IMAGES

ELISA
Sandwich ELISA analysis of human TSLP using Mouse anti Human TSLP (AAA50436) as a capture reagent and biotinylated Mouse anti Human TSLP as a detection reagent with purified recombinant TSLP as the antigen. Detection was performed using HRP co

ADDITIONAL INFORMATION

Related Product Information for anti-TSLP antibody	Mouse anti Human TSLP antibody, clone H03-5E12, recognizes thymic stromal lymphopoietin (TSLP), a member of the interleukin-2 (IL-2) cytokine family and an IL-7-like cytokine. TSLP plays a role in pathophysiological immunity-related functions. Specifically, TSLP is implicated in allergic reaction, infection, cancer and autoimmunity (Ziegler et al. 2013). During allergic inflammation, the primary producers of TSLP are epithelial cells, keratinocytes, mast cells, smooth muscle cells, dendritic cells and trophoblasts (Takai 2012). TSLP is a ligand of the TSLP receptor (TSLPR), which is expressed by a variety of hematopoietic cell populations and some hematopoietic cells such as epithelial cells (Ziegler et al. 2013).Upon binding of TSLP to TSLPR various signaling pathways can be activated including JAK, STAT, Src kinases and PI3K. Under physiological conditions, induction of these pathways can promote homeostatic polyclonal expansion of T cells in the absence of foreign antigens and drive differentiation of inducible Tregs (Nakajima et al. 2020). The purified Mouse anti Human TSLP antibody, clone H03-5E12 can be used as a capture antibody in a sandwich ELISA with the biotinylated Mouse anti Human TSLP antibody, clone D01-2E2 as the detection antibody.

NCBI AND UNIPROT INFORMATION

NCBI GI #	190886449
NCBI GeneID	85480
NCBI Accession #	NP_612561.2
NCBI GenBank Nucleotide #	NM_138551.4
UniProt Accession #	Q969D9; Q8IW99
NCBI Official Full Name	thymic stromal lymphopoietin isoform 2
NCBI Official Synonym Full Names	thymic stromal lymphopoietin
NCBI Official Symbol	TSLP
NCBI Protein Information	thymic stromal lymphopoietin
UniProt Protein Name	Thymic stromal lymphopoietin
UniProt Gene Name	**TSLP**
UniProt Entry Name	TSLP_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/monoclonal/tslp-antibody-clone-h03-5e12-elisa/50436