

Mouse Anti-TSLP Monoclonal Antibody

Cat. No. DMABT-H19273 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse Anti-TSLP Monoclonal Antibody
Species	Human
Source	Mouse
Antigen Description	Thymic Stromal Lymphopoietin (TSLP) is a hemopoietic protein that is expressed in the heart, liver and prostate. TSLP overlaps biological activities with IL-7 and binds with the heterodimeric receptor complex consisting of the IL-7R alpha chain (IL-7Ralpha) and the TSLP-specific chain (TSLPR). Like IL-7, TSLP induces phosphorylation of STAT3 and STAT5, but uses kinases other than the JAKs for activation. TSLP prohibited apoptosis and stimulated growth of the human acute myeloid leukemia (AML)-derived cell line MUTZ3. It induces the release of T cell-attracting chemokines TARC and MDC from monocytes and activates CD11c(+) dendritic cells (DCs). TSLP activated DCs primed na?ve T cells to produce the proallergic cytokines (IL-4, IL-5, IL-13, TNFalpha) while down-regulating IL-10 and IFN-gamma suggesting a role in initiating allergic inflammation. Recent studies revealed that expression of TSLP has a direct link to the pathogenesis of allergic inflammation such as atopic dermatitis and asthma via activating dendritic cells and mast cells which trigger inflammatory Th2 response characterized by high TNF-alpha and little IL-10 production.
Target	TSLP

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Isotype	IgG1, kappa
species	Human
Clone	26C22.4
Conjugation	LEAF
Applications	Neut,ELISA
Preparation	The LEAF (Low Endotoxin, Azide-Free) antibody was Purified by affinity chromatography.
Usage recommendation	Each lot of this antibody is quality control tested by ELISA assay. For use as an ELISA detection antibody, a concentration range of 0.5-2 µg/ml is recommended. To obtain a linear standard curve, serial dilutions of TSLP recombinant protein ranging from 200 to 3.1 ng/ml are recommended for each ELISA plate. It is recommended that the reagent be titrated for optimal performance for each application.
Concentration	1.0 mg/ml
Storage	The antibody solution should be stored undiluted at 4 °C. This LEAF solution contains no preservative; handle under aseptic conditions.
Size	50 µg;500 µg

GENE INFORMATION

Gene Name	TSLP thymic stromal lymphopoietin [Homo sapiens]
Official Symbol	TSLP

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Synonyms	TSLP; thymic stromal lymphopoietin;
Gene ID	85480
mRNA Refseq	NM_033035
Protein Refseq	NP_149024
MIM	607003
UniProt ID	Q969D9
Chromosome Location	5q22.1
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT signaling pathway, conserved biosystem;
Function	cytokine activity;