

Datasheet: MCA6284GA

BATCH NUMBER 100005326

Description:	MOUSE ANTI HUMAN TSLP
Specificity:	TSLP
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	H03-5E12
Isotype:	IgG1
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			1.0 ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	<i>E. Coli</i> derived recombinant full length human TSLP (Tyr29-Gln159)

External Database Links	UniProt: Q969D9 Related reagents Entrez Gene: 85480 TSLP Related reagents
Fusion Partners	Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0
Specificity	<p>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).</p> <p>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).</p> <p>The purified Mouse anti Human TSLP antibody, clone H03-5E12 (MCA6284GA) can be used as a capture antibody in a sandwich ELISA with the biotinylated Mouse anti Human TSLP antibody, clone D01-2E2 (MCA6285B) as the detection antibody.</p>
Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA6284GA 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)

Goat Anti Mouse IgG IgA IgM (STAR87...) [HRP](#)

Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP

Recommended Useful Reagents

[MOUSE ANTI HUMAN TSLP:Biotin \(MCA6285B\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M378827:210304'

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