

## Datasheet: MCA6284GA

<b>Description:</b>	MOUSE ANTI HUMAN TSLP
<b>Specificity:</b>	TSLP
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	H03-5E12
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	<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](#)

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**Fusion Partners** Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0

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**Specificity** **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 (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.

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**Storage** This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10040 available at: 10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...) [HRP](#)

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

Rabbit Anti Mouse IgG (STAR8...)	<a href="#">DyLight@800</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">Alk. Phos.</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight@488</a> , <a href="#">DyLight@680</a> , <a href="#">DyLight@800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>

## Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

## Recommended Useful Reagents

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

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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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](https://bio-rad-antibodies.com/datasheets)

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