

Datasheet: MCA6285B

Description:	MOUSE ANTI HUMAN TSLP:Biotin
Specificity:	TSLP
Format:	Biotin
Product Type:	Monoclonal Antibody
Clone:	D01-2E2
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 conjugated to Biotin - 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) 1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.1 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 **Mouse anti Human TSLP antibody, clone D01-2E2**, 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 biotinylated Mouse anti Human TSLP antibody, clone D01-2E2 (MCA6285B) can be used as a detection antibody in a sandwich ELISA with the purified Mouse anti Human TSLP antibody, clone H03-5E12 ([MCA6284GA](#)) as the capture antibody.

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.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10041 available at: <https://www.bio-rad-antibodies.com/SDS/MCA6285B>
10041

Regulatory For research purposes only

Related Products

Recommended Useful Reagents

[MOUSE ANTI HUMAN TSLP \(MCA6284GA\)](#)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

'M390667:210927'

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

Printed on 12 Aug 2023

© 2023 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)