

Datasheet: MCA6285B

Description:	MOUSE ANTI HUMAN TSLP:Biotin
Specificity:	TSLP
Format:	Purified
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 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 #10041 available at:
10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight@800
Goat Anti Mouse IgG (STAR76...)	RPE

Goat Anti Mouse IgG (STAR70...) [FITC](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®680](#),
[DyLight®800](#), [FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)

Recommended Negative Controls

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

Recommended Useful Reagents

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

North & South America	Tel: +1 800 265 7376 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	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
----------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------	------------------	-------------------------------------------------------------------------------------------------------------------------------------------------	---------------	-----------------------------------------------------------------------------------------------------------------------------------------------------

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M378828:210304'

Printed on 23 Mar 2021

© 2021 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)