Datasheet: VMA00038

Description:	MOUSE ANTI MALT1
Specificity:	MALT1
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
Isotype:	IgG1
Quantity:	100 µl

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
Western Blotting	▪			1/1000

PrecisionAb antibodies have been extensively validated for the western blot application. The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

Target Species

Human

Product Form

Purified IgG - liquid

Preparation

Mouse monoclonal antibody purified by affinity chromatography on Protein G from tissue culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN_3)

Immunogen

Recombinant protein corresponding to amino acids 701-808 located within the C-terminus of human MALT1

External Database Links

UniProt:

Q9UDY8 Related reagents

Entrez Gene:

10892 MALT1 Related reagents

Synonyms

MLT

Specificity

Mouse anti Human MALT1 antibody recognizes human mucosal-associated lymphoid tissue

lymphoma translocation 1 (MALT1), also known as MALT lymphoma-associated translocation and paracaspase. MALT1 is an 824 amino acid protein belonging to the peptidase C14B family containing a single death domain and two Ig-like C2-type domains. In normal lymphocytes, MALT1 plays an important role in antigen receptor-mediated lymphocyte activation. In T-cells MALT1 is recruited by activated CARMA1, along with Bcl-10, to form a CARMA1-Bcl10-MALT1 (CBM) complex which is involved in the activation of NF-kappaB (Yang *et al.* 2013).

MALT1 was initially identified as a recurrent translocation t(11;18)(q21:q21) in mucosal-associated lymphomas (Horsman *et al.* 1992), which creates a functional fusion oncoprotein consisting of MALT1 and apoptosis inhibitor API2 (Dierlamm *et al.* 1999). Studies suggest that overexpression of MALT1, or expression of the API2-MALT1 fusion protein, leads to the uncontrolled activation of NF-kappaB which is stimulus-independent (Zhou *et al.* 2005). Mouse anti Human MALT1 recognizes both MALT1 and the MALT1-API2 fusion protein (Rosebeck *et al.*2011, Murga Penas *et al.* 2007). The MALT1-API2 oncoprotein plays a role in non-canonical activation of NF-κb through NIK cleavage.

Mouse anti Human MALT1 antibody recognizes human MALT1 as a single band of ~92 kDa in multiple human cell line lysates by western blotting under reducing conditions.

Western Blotting	Anti MALT1 antibody detects a band of approximately 92 kDa in HEK293 cell lysates.
Instructions For Use	Please refer to the PrecisionAb western blotting protocol. For additional information on secondary antibody dilution and exposure time see product web page.
Storage	Store undiluted at -20^{o}C, avoiding repeated freeze thaw cycles.
Shelf Life	As supplied, 12 months from date of despatch.
Acknowledgements	PrecisionAb™ is a trademark of Bio-Rad Laboratories.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: Antibody (10040): https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) HRP

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)

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

'M284452:160321'

Printed on 01 May 2018