

Datasheet: VMA00038KT

Description:	MALT1 ANTIBODY WITH CONTROL LYSATE
Specificity:	MALT1
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Isotype:	IgG1
Quantity:	2 Westerns

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	20µl 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-kb 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.

Lysate Composition

400µg HEK293 lysate lyophilized in RIPA buffer.

Lysate Reconstitution

- If using DDT reconstitute the lyophilized lysate with 190µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.
- If using BME reconstitute the lyophilized lysate with 180µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.
Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.

Storage

Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.

Guarantee

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 #10561 available at:
Antibody (10040): <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>
Lysate Material (10561): <https://www.bio-rad-antibodies.com/uploads/MSDS/10561.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 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

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

From March 15, 2021, we will no longer supply printed datasheets with our products.
Look out for updates on how to access your digital version at bio-rad-antibodies.com

'M351259:190318'

Printed on 10 Feb 2021

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