

## Datasheet: VMA00038

<b>Description:</b>	MOUSE ANTI MALT1
<b>Specificity:</b>	MALT1
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	50
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin (1)	▪			
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1/1000

**The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range.** 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 dependent on sample type.

**(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.**

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Mouse monoclonal antibody purified 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>Approx. Protein Concentrations</b>	IgG concentration 0.5 mg/ml
<b>Immunogen</b>	Recombinant protein corresponding to amino acids 701-808 located within the C-terminus of human MALT1
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q9UDY8</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">10892</a>    MALT1    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	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 ([Murga Penas et al. 2007](#)). The MALT1-API2 oncoprotein plays a role in non-canonical activation of NF-kb through NIK cleavage ([Rosebeck et al.2011](#)).

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.

- References**
1. Ye, H. *et al.* (2005) MALT lymphoma with t(14;18)(q32;q21)/IGH-MALT1 is characterized by strong cytoplasmic MALT1 and BCL10 expression. [J Pathol. 205 \(3\): 293-301.](#)
  2. Coornaert, B. *et al.* (2008) T cell antigen receptor stimulation induces MALT1 paracaspase-mediated cleavage of the NF-kappaB inhibitor A20. [Nat Immunol. 9 \(3\): 263-71.](#)
  3. Rebeaud, F. *et al.* (2008) The proteolytic activity of the paracaspase MALT1 is key in T

cell activation. [Nat Immunol. 9 \(3\): 272-81.](#)

---

<b>Storage</b>	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
<b>Guarantee</b>	12 months from date of despatch
<b>Acknowledgements</b>	PrecisionAb is a trademark of Bio-Rad Laboratories.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: Antibody (10040): <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>
<b>Regulatory</b>	For research purposes only

---

## Related Products

### Recommended Secondary Antibodies

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

### Recommended Negative Controls

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

<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>
----------------------------------	---	------------------	---	---------------	---

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)  
'M387690:210706'

Printed on 06 Jan 2022