

Datasheet: VMA00038

**BATCH NUMBER 166318**

<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

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN <sub>3</sub> )
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	Recombinant protein corresponding to amino acids 701-808 located within the C-terminus of human MALT1
External Database Links	<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>
Synonyms	MLT
Specificity	<p><b>Mouse anti Human MALT1 antibody</b> 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 <a href="#">peptidase C14B family</a> containing a single <a href="#">death domain</a> and two <a href="#">Ig-like C2-type</a> 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 (<a href="#">Yang et al. 2013</a>).</p> <p>MALT1 was initially identified as a recurrent translocation t(11;18)(q21;q21) in mucosal-associated lymphomas (<a href="#">Horsman et al. 1992</a>), which creates a functional fusion oncoprotein consisting of MALT1 and apoptosis inhibitor API2 (<a href="#">Dierlamm et al. 1999</a>). Overexpression of MALT1, or expression of the API2-MALT1 fusion protein, leads to the uncontrolled activation of NF-kappaB which is stimulus-independent (<a href="#">Zhou et al. 2005</a>). Mouse anti Human MALT1 recognizes both MALT1 and the MALT1-API2 fusion protein (<a href="#">Murga Penas et al. 2007</a>). The MALT1-API2 oncoprotein plays a role in non-canonical activation of NF-kb through NIK cleavage (<a href="#">Rosebeck et al.2011</a>).</p> <p>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.</p>
Western Blotting	Anti MALT1 antibody detects a band of approximately 92 kDa in HEK293 cell lysates.
References	1. Ye, H. <i>et al.</i> (2005) MALT lymphoma with t(14;18)(q32;q21)/IGH-MALT1 is characterized by strong cytoplasmic MALT1 and BCL10 expression. <a href="#">J Pathol. 205 (3): 293-301.</a>
Storage	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: <a href="https://www.bio-rad-antibodies.com/SDS/VMA00038">https://www.bio-rad-antibodies.com/SDS/VMA00038</a> Antibody (10040)
<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)  
'M393913:220119'

**Printed on 18 Jan 2024**