

Datasheet: VMA00038

BATCH NUMBER 020714

Description:	MOUSE ANTI MALT1
Specificity:	MALT1
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	50
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
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.

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)
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>UniProt: Q9UDY8 Related reagents</p> <p>Entrez Gene: 10892 MALT1 Related reagents</p>
Synonyms	MLT
Specificity	<p>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).</p> <p>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).</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	<ol style="list-style-type: none"> 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. J Pathol. 205 (3): 293-301. 2. Coornaert, B. <i>et al.</i> (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.](#)

Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Guarantee	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: https://www.bio-rad-antibodies.com/SDS/VMA00038
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M387690:210706'

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