

Datasheet: VMA00647

Description:	MOUSE ANTI MAD2
Specificity:	MAD2
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	G01/1A11
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

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.

Target Species	Human
Species Cross Reactivity	<p>Reacts with: Mouse, Rat</p> <p>N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
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 1.0 mg/ml.
Immunogen	<i>E. coli</i> -derived recombinant human MAD2 (aa 1-205)
External Database Links	<p>UniProt: Q13257 Related reagents</p> <p>Entrez Gene: 4085 MAD2L1 Related reagents</p>
Synonyms	MAD2
Specificity	<p>Mouse anti Human MAD2 antibody recognizes MAD2, also known as mitotic arrest deficient 2-like protein 1 (MAD2L1) or mitotic spindle assembly checkpoint protein MAD2A.</p> <p>MAD2 is a ubiquitously-expressed protein which plays an essential role in the cell cycle, monitoring correct chromosomal alignment at the metaphase plate before mitosis. MAD2 is often overexpressed in tumors and associated with increased risk of all-cause mortality and cancer recurrence. Functionally, due to its role in the cell cycle, MAD2 may be important for driving the chromosome instability that initiates tumorigenesis. Beyond the spindle assembly checkpoint, MAD2 interacts with various proteins including insulin receptor, estrogen receptor beta, and tumor necrosis factor alpha convertase (Marks et al. 2017).</p>
Western Blotting	Mouse anti MAD2 antibody detects a band of approximately 23 kDa in K562 cell lysates.
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/VMA00647 Antibody (10040)
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 \(MCA928\)](#)

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

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