

## Datasheet: VMA00498

<b>Description:</b>	MOUSE ANTI C-MYC
<b>Specificity:</b>	C-MYC
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<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
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

Reacts with: Mouse, Rat

**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.

#### 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<sub>3</sub>).

#### Immunogen

*E. coli* derived recombinant protein corresponding to amino acids 66-201 of human c-Myc

<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P01106</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">4609</a> MYC <a href="#">Related reagents</a>
<b>Synonyms</b>	BHLHE39
<b>Specificity</b>	<p><b>Mouse anti Human c-Myc antibody</b> recognizes the Myc proto-oncogene protein, also known as avian myelocytomatosis viral oncogene homolog, class E basic helix-loop-helix protein 39, myc-related translation/localization regulatory factor, transcription factor p64 or v-myc myelocytomatosis viral oncogene homolog.</p> <p>The protein encoded by MYC gene is a multifunctional, nuclear phosphoprotein that plays a role in cell cycle progression, apoptosis and cellular transformation. It functions as a transcription factor that regulates transcription of specific target genes. Mutations, overexpression, rearrangement and translocation of MYC have been associated with a variety of hematopoietic tumors, leukemias and lymphomas, including Burkitt lymphoma (<a href="#">BL</a>). There is evidence to show that alternative translation initiations from an upstream, in-frame non-AUG (CUG) and a downstream AUG start site result in the production of two isoforms with distinct N-termini. The synthesis of non-AUG initiated protein is suppressed in Burkitt's lymphomas, suggesting its importance in the normal function of MYC (provided by RefSeq, Jul 2008).</p> <p>Mouse anti Human c-Myc antibody detects a band of 57 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
<b>Western Blotting</b>	Anti c-Myc detects a band of approximately 57 kDa in HeLa cell lysate.
<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: <a href="https://www.bio-rad-antibodies.com/SDS/VMA00498">https://www.bio-rad-antibodies.com/SDS/VMA00498</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>
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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)

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