

Datasheet: VMA00498

**BATCH NUMBER 172196**

<b>Description:</b>	MOUSE ANTI C-MYC
<b>Specificity:</b>	C-MYC
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	CD01/2A2
<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. Learn about [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

0.09% Sodium Azide (NaN<sub>3</sub>).

**Stabilisers**

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**Approx. Protein Concentrations** IgG concentration 0.5 mg/ml

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

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**External Database Links**  
**UniProt:**  
[P01106](#)    [Related reagents](#)  
**Entrez Gene:**  
[4609](#) MYC    [Related reagents](#)

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**Synonyms** BHLHE39

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**Specificity** **Mouse anti Human c-Myc antibody** 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.

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 ([BL](#)). 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).

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.

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**Western Blotting** Anti c-Myc detects a band of approximately 57 kDa in HeLa cell lysate.

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**Storage** This product is shipped at ambient temperature.  
Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

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**Guarantee** 12 months from date of despatch.

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**Acknowledgements** PrecisionAb is a trademark of Bio-Rad Laboratories.

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**Health And Safety Information** Material Safety Datasheet documentation #10040 available at:  
<https://www.bio-rad-antibodies.com/SDS/VMA00498>

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**Regulatory** For research purposes only.

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## Related Products

### Recommended Secondary Antibodies

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

### Recommended Negative Controls

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

**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://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](http://bio-rad-antibodies.com/datasheets)  
'M443579:250709'

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