**Datasheet: MCA2200GA**

<table>
<thead>
<tr>
<th><strong>Description:</strong></th>
<th>MOUSE ANTI C-MYC</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Specificity:</strong></td>
<td>C-MYC</td>
</tr>
<tr>
<td><strong>Format:</strong></td>
<td>Purified</td>
</tr>
<tr>
<td><strong>Product Type:</strong></td>
<td>Monoclonal Antibody</td>
</tr>
<tr>
<td><strong>Clone:</strong></td>
<td>9E10</td>
</tr>
<tr>
<td><strong>Isotype:</strong></td>
<td>IgG1</td>
</tr>
<tr>
<td><strong>Quantity:</strong></td>
<td>0.1 mg</td>
</tr>
</tbody>
</table>

**Product Details**

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).

<table>
<thead>
<tr>
<th>Applications</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry (1)</td>
<td>¥</td>
<td></td>
<td></td>
<td>Neat - 1/10</td>
</tr>
<tr>
<td>Immunohistology - Frozen</td>
<td>¥</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunohistology - Paraffin</td>
<td>¥</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELISA</td>
<td>¥</td>
<td></td>
<td></td>
<td>1/100 - 1/500</td>
</tr>
<tr>
<td>Immunoprecipitation</td>
<td>¥</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Western Blotting (2)</td>
<td>¥</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own systems using appropriate negative/positive controls.

(1) **Membrane permeabilisation is required for this application. Bio-Rad recommends the use of Leucoperm™ (Product Code [BUF09](http://bio-rad-antibodies.com/)) for this purpose.**

(2) **9E10 recognizes c-myc under non-reducing conditions**

<table>
<thead>
<tr>
<th><strong>Target Species</strong></th>
<th>Human</th>
</tr>
</thead>
</table>

**Species Cross Reactivity**

Reacts with: Epitope tag

**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
Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

Buffer Solution
Phosphate buffered saline

Preservative Stabilisers
0.09% Sodium Azide (NaN₃)

Carrier Free
Yes

Approx. Protein Concentrations
IgG concentration 1.0 mg/ml

Immunogen
Synthetic peptide sequence corresponding to the C-terminal region (residues 408-439) of human c-myc conjugated to keyhole limpet hemocyanin.

External Database Links
UniProt:
P01106 Related reagents

Entrez Gene:
4609 MYC Related reagents

Synonyms
BHLHE39

RRID
AB_566935

Fusion Partners
Spleen cells from immunised BALB/c mice were fused with cells of the SP2/0 myeloma cell line.

Specificity
Mouse anti c-myc antibody, clone 9E10 detects the p62\(^{c-myc}\) proto-oncogene protein, which is involved in the regulation of the cell cycle and cell growth. C-myc is primarily located to the cell nucleus, but has also been shown to localized to the cytoplasm in several cell lines (Craig et al. 1993). Overexpression of c-myc has been reported in a wide variety of human cancers (Nesbit et al. 1999).

Mouse anti c-myc antibody, clone 9E10 recognizes the sequence EQKLISEEDL and may be used to detect proteins and peptides labelled with molecular tags containing this sequence (Hilpert et al. 2001).

Flow Cytometry
Use 10ul of the suggested working dilution to label 1x10⁶ cells in 100ul.

Immunohistology
This product does not require protein digestion pre-treatment of paraffin sections prior to staining. This product does not require antigen retrieval using heat treatment prior to staining of paraffin sections.

Recommended Secondary Reagents: STAR13B F(ab')₂ RABBIT ANTI MOUSE IgG: HRP

References
1. Evan, G.I. et al. (1985) Isolation of monoclonal antibodies specific for human c-myc

Further Reading

Storage
Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee
12 months from date of despatch

Health And Safety Information

Regulatory
For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...) Alk. Phos., HRP
Goat Anti Mouse IgG (STAR77...) HRP
Rabbit Anti Mouse IgG (STAR12...) RPE
Rabbit Anti Mouse IgG (STAR8...) DyLight®800
Rabbit Anti Mouse IgG (STAR13...) HRP
Goat Anti Mouse IgG (STAR76...) RPE
Goat Anti Mouse IgG (STAR70...) FITC
Goat Anti Mouse IgG (Fc) (STAR120...) FITC, HRP
Goat Anti Mouse IgG (H/L) (STAR117...)  
Rabbit Anti Mouse IgG (STAR9...)  

**Recommended Negative Controls**

**MOUSE IgG1 NEGATIVE CONTROL (MCA928)**

North & South America  
Tel: +1 800 265 7376  
Fax: +1 919 878 3751  
Email: antibody_sales_us@bio-rad.com

Worldwide  
Tel: +44 (0)1865 852 700  
Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe  
Tel: +49 (0) 89 8090 95 21  
Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

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