

## Datasheet: MCA2200P

|                      |                      |
|----------------------|----------------------|
| <b>Description:</b>  | MOUSE ANTI C-MYC:HRP |
| <b>Specificity:</b>  | C-MYC                |
| <b>Format:</b>       | HRP                  |
| <b>Product Type:</b> | Monoclonal Antibody  |
| <b>Clone:</b>        | 9E10                 |
| <b>Isotype:</b>      | IgG1                 |
| <b>Quantity:</b>     | 0.1 mg               |

## 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 |
|----------------------------|-----|----|----------------|--------------------|
| Flow Cytometry             |     |    | ▪              |                    |
| Immunohistology - Frozen   | ▪   |    |                |                    |
| Immunohistology - Paraffin | ▪   |    |                |                    |
| ELISA                      | ▪   |    |                | 1/100 - 1/500      |
| Immunoprecipitation        |     |    | ▪              |                    |
| Western Blotting (1)       | ▪   |    |                | 1/100 - 1/500      |

Where this product 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 product for use in their own system using appropriate negative/positive controls.

(1) **9E10 recognizes c-myc under non-reducing conditions**

### Target Species

Human

### 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 conjugated to Horseradish Peroxidase (HRP) - liquid

### Preparation

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

|                                       |   |
|---------------------------------------|---|
| <b>Buffer Solution</b>                | Phosphate buffered saline   |
| <b>Preservative Stabilisers</b>       | 0.01% Thiomersal  |
| <b>Approx. Protein Concentrations</b> | IgG concentration 1.0 mg/ml   |
| <b>Immunogen</b>                      | Synthetic peptide sequence corresponding to the C-terminal region (residues 408-439) of human c-myc conjugated to keyhole limpet hemocyanin.  |
| <b>External Database Links</b>        | <p><b>UniProt:</b><br/> <a href="#">P01106</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b><br/> <a href="#">4609</a>    MYC    <a href="#">Related reagents</a></p>  |
| <b>Synonyms</b>                       | BHLHE39   |
| <b>RRID</b>                           | AB_324087   |
| <b>Fusion Partners</b>                | Spleen cells from immunised BALB/c mice were fused with cells of the SP2/0 myeloma cell line.   |
| <b>Specificity</b>                    | <p><b>Mouse anti c-myc antibody, clone 9E10</b> detects the p62<sup>c-myc</sup> 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 (<a href="#">Craig et al. 1993</a>). Overexpression of c-myc has been reported in a wide variety of human cancers (Nesbit <i>et al.</i> 1999).</p> <p>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 <i>et al.</i> 2001).</p>   |
| <b>References</b>                     | <ol style="list-style-type: none"> <li>Evan, G.I. <i>et al.</i> (1985) Isolation of monoclonal antibodies specific for human c-myc proto-oncogene product. <a href="#">Mol Cell Biol. 5 (12): 3610-6.</a></li> <li>Spandidos, D.A. <i>et al.</i> (1987) Elevated expression of the myc gene in human benign and malignant breast lesions compared to normal tissue. <a href="#">Anticancer Res. 7 (6): 1299-304.</a></li> <li>Borodina, I. <i>et al.</i> (2010) Display of wasp venom allergens on the cell surface of <i>Saccharomyces cerevisiae</i>. <a href="#">Microb Cell Fact. 9: 74.</a></li> <li>Groeger, G. <i>et al.</i> (2007) Co-operative Cdc42 and Rho signalling mediates ephrinB-triggered endothelial cell retraction. <a href="#">Biochem J. 404: 23-9.</a></li> <li>Head, B. <i>et al.</i> (2009) Inducible proteolytic inactivation of OPA1 mediated by the OMA1 protease in mammalian cells. <a href="#">J Cell Biol. 187: 959-66.</a></li> <li>Hilpert, K. <i>et al.</i> (2001) Anti-c-myc antibody 9E10: epitope key positions and variability characterized using peptide spot synthesis on cellulose. <a href="#">Protein Eng. 14: 803-6.</a></li> <li>Gohlke, S. <i>et al.</i> (2017) <i>In Vitro</i> and <i>In Vivo</i> Studies on the Structural Organization of Chs3 from <i>Saccharomyces cerevisiae</i>. <a href="#">Int J Mol Sci. 18 (4): pii: E702.</a></li> </ol> |

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**Further Reading**

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**Storage**

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10094 available at: <https://www.bio-rad-antibodies.com/SDS/MCA2200P>  
10094

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**Regulatory** For research purposes only

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## Related Products

### Recommended Useful Reagents

[AbGUARD® HRP STABILIZER PLUS \(BUF052A\)](#)

[AbGUARD® HRP STABILIZER PLUS \(BUF052B\)](#)

[AbGUARD® HRP STABILIZER PLUS \(BUF052C\)](#)

[TMB CORE \(BUF056A\)](#)

[TMB CORE+ \(BUF062A\)](#)

[TMB SIGNAL+ \(BUF054A\)](#)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto: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](mailto: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](mailto:antibody_sales_de@bio-rad.com)

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