Datasheet: MCA2200A647

**Description:** MOUSE ANTI C-MYC: Alexa Fluor® 647

**Specificity:** C-MYC

**Format:** ALEXA FLUOR® 647

**Product Type:** Monoclonal Antibody

**Clone:** 9E10

**Isotype:** IgG1

**Quantity:** 100 TESTS/1ml

### 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).

<table>
<thead>
<tr>
<th>Application</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</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) for this purpose.

**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 Alexa Fluor® 647 - liquid

**Max Ex/Em**

<table>
<thead>
<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alexa Fluor®647</td>
<td>650</td>
<td>665</td>
</tr>
</tbody>
</table>

**Preparation**

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

**Buffer Solution**

Phosphate buffered saline
<table>
<thead>
<tr>
<th>Preservative Stabilisers</th>
<th>0.09% Sodium Azide</th>
<th>1% Bovine Serum Albumin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approx. Protein Concentrations</td>
<td>IgG concentration 0.05 mg/ml</td>
<td></td>
</tr>
<tr>
<td>Immunogen</td>
<td>Synthetic peptide sequence corresponding to the C-terminal region (residues 408-439) of human c-myc conjugated to keyhole limpet hemocyanin.</td>
<td></td>
</tr>
<tr>
<td>External Database Links</td>
<td>UniProt: P01106</td>
<td>Related reagents</td>
</tr>
<tr>
<td>Entrez Gene</td>
<td>4609 MYC</td>
<td>Related reagents</td>
</tr>
<tr>
<td>Synonyms</td>
<td>BHLHE39</td>
<td></td>
</tr>
<tr>
<td>RRID</td>
<td>AB_566936</td>
<td></td>
</tr>
<tr>
<td>Fusion Partners</td>
<td>Spleen cells from immunised BALB/c mice were fused with cells of the SP2/0 myeloma cell line.</td>
<td></td>
</tr>
<tr>
<td>Specificity</td>
<td><strong>Mouse anti c-myc antibody, clone 9E10</strong> 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 (<a href="#">Craig et al. 1993</a>). Overexpression of c-myc has been reported in a wide variety of human cancers (<a href="#">Nesbit et al. 1999</a>). 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 (<a href="#">Hilpert et al. 2001</a>).</td>
<td></td>
</tr>
<tr>
<td>Flow Cytometry</td>
<td>Use 10ul of the suggested working dilution to label 1x10^6 cells in 100ul.</td>
<td></td>
</tr>
</tbody>
</table>
7. Gohlke, S. *et al.* (2017) *In Vitro and In Vivo* Studies on the Structural Organization of
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. This product is photosensitive and should be protected from light.

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

Acknowledgements

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Health And Safety Information


Regulatory

For research purposes only

Related Products

**Recommended Negative Controls**

**MOUSE IgG1 NEGATIVE CONTROL:** Alexa Fluor® 647 (MCA928A647)

**Recommended Useful Reagents**

**HUMAN SEROBLOCK (BUF070A)**

**HUMAN SEROBLOCK (BUF070B)**

North & South America

Tel: +1 800 265 7376

Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

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Fax: +44 (0)1865 852 739

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