Datasheet: MCA2200D549GA

**Description:** MOUSE ANTI C-MYC:DyLight®549

**Specificity:** C-MYC

**Format:** DyLight®549

**Product Type:** Monoclonal Antibody

**Clone:** 9E10

**Isotype:** IgG1

**Quantity:** 0.1 mg

**RRID:** AB_10843428

**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>
<tr>
<td>Immunofluorescence</td>
<td></td>
<td></td>
<td></td>
<td>Neat - 1/10</td>
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</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

**Product Form**

Purified IgG conjugated to DyLight®549 - 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>DyLight®549</td>
<td>562</td>
<td>576</td>
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</tbody>
</table>

**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)

**Approx. Protein Concentrations**

IgG concentration 1.0mg/ml

**Immunogen**

Synthetic peptide sequence corresponding to the C-terminal region (residues 408-439) of human c-myc conjugated to keyhole limpet hemocyanin.
Spleen cells from immunised BALB/c mice were fused with cells of the SP2/0 myeloma cell line. 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 localised 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).

References

### 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

18 months from date of despatch.

### Acknowledgements

DyLight® is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.

### Health And Safety Information


### Related Products

#### Recommended Useful Reagents

**HUMAN SEROBLOCK (BUF070A)**  
**HUMAN SEROBLOCK (BUF070B)**

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