Datasheet: MCA2200PE

Description: MOUSE ANTI C-MYC:RPE

Specificity: C-MYC

Format: RPE

Product Type: Monoclonal Antibody

Clone: 9E10

Isotype: IgG1

Quantity: 100 TESTS

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.

<table>
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<tr>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tr>
<td></td>
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<td>Western Blotting</td>
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<td>Neat - 1/10</td>
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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.

Target Species

Human

Product Form

Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized

Reconstitution

Reconstitute with 1.0ml distilled water

Max Ex/Em

<table>
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<tr>
<th>Fluorophore</th>
<th>Excitation (nm)</th>
<th>Emission (nm)</th>
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<td>PE 488nm laser</td>
<td>496</td>
<td>578</td>
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<tr>
<td>PE 561nm laser</td>
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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)

1% Bovine Serum Albumin

5% Sucrose

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:
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 be 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 1x10\(^6\) cells in 100ul.

References

Further Reading


Storage

Store at +4°C. DO NOT FREEZE.

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.

Shelf Life

18 months from date of reconstitution

Health And Safety Information


Regulatory

For research purposes only

Related Products

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL:RPE (MCA928PE)