Datasheet: MCA2200P

Description: MOUSE ANTI C-MYC:HRP
Specificity: C-MYC
Format: HRP
Product Type: Monoclonal Antibody
Clone: 9E10
Isotype: IgG1
Quantity: 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.

<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</td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Immunohistology - Frozen</td>
<td></td>
<td>Yes</td>
<td></td>
<td></td>
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<tr>
<td>Immunohistology - Paraffin</td>
<td>Yes</td>
<td></td>
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<tr>
<td>ELISA</td>
<td>Yes</td>
<td></td>
<td></td>
<td>1/100 - 1/500</td>
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<tr>
<td>Immunoprecipitation</td>
<td></td>
<td>Yes</td>
<td></td>
<td></td>
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<tr>
<td>Western Blotting (1)</td>
<td></td>
<td>Yes</td>
<td></td>
<td>1/100 - 1/500</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) 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

Buffer Solution

Phosphate buffered saline
Preparative Stabilisers

- 0.01% Thiomersal
- HRP Stabiliser (BUF052A)

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_324087

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).

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.

References

recombinant membrane protein (HopQ) labels primary colon cancer and metastases in orthotopic mouse models by binding CEA-related cell adhesion molecules. Transl Oncol. 13 (12): 100857.

**Further Reading**


**Storage**

Store at +4°C. DO NOT FREEZE.

This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

**Guarantee**

12 months from date of despatch

**Health And Safety Information**

Material Safety Datasheet documentation #10131 available at:


**Regulatory**

For research purposes only

**Related Products**

**Recommended Useful Reagents**

- TMB SIGNAL+ (BUF054A)
- TMB CORE (BUF056A)
- TMB CORE+ (BUF062A)
- AbGUARD® HRP STABILIZER PLUS (BUF052A)
- AbGUARD® HRP STABILIZER PLUS (BUF052B)
- AbGUARD® HRP STABILIZER PLUS (BUF052C)