Datasheet: MCA2200

Description: MOUSE ANTI C-MYC
Specificity: C-MYC
Format: Purified
Product Type: Monoclonal Antibody
Clone: 9E10
Isotype: IgG1
Quantity: 1 mg

Product Details

RRID: AB_324359

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>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tbody>
<tr>
<td>Flow Cytometry (1)</td>
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<td>Neat - 1/10</td>
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<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin</td>
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<td>ELISA</td>
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<td>1/100 - 1/500</td>
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<td>Immunoprecipitation</td>
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<td>Western Blotting (2)</td>
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<td>1/100 - 1/500</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.

(1) Membrane permeabilisation is required for this application. Bio-Rad recommends the use of Leucoperm™ (Product Code BUF09) for this purpose.
(2) 9E10 recognizes c-myc under non-reducing conditions

Target Species: Human
Product Form: Purified IgG - liquid
Preparation: Purified IgG prepared by affinity chromatography on Protein G
Buffer Solution: Phosphate buffered saline
Preservative Stabilisers: 0.09% Sodium Azide (NaN3)
Carrier Free: Yes
Approx. Protein: IgG concentration 1.0 mg/ml
Concentrations

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

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 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).

Flow Cytometry  Use 10ul of the suggested working dilution to label 1x10\(^6\) cells in 100ul.

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


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. 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.

Health And Safety Information


Regulatory

For research purposes only

Related Products

**Recommended Secondary Antibodies**

Goat Anti Mouse IgG IgA IgM (STAR87...)* Alk. Phos., HRP
Goat Anti Mouse IgG (STAR77...)* HRP
Rabbit Anti Mouse IgG (STAR12...)* RPE
Rabbit Anti Mouse IgG (STAR8...)* DyLight®800
Rabbit Anti Mouse IgG (STAR13...)* HRP
Goat Anti Mouse IgG (STAR76...)* RPE
Goat Anti Mouse IgG (STAR70...)* FITC
Goat Anti Mouse IgG (Fc) (STAR120...)* FITC, HRP
Rabbit Anti Mouse IgG (STAR9...)* FITC
Goat Anti Mouse IgG (H/L) (STAR117...)* Alk. Phos., DyLight®488, DyLight®549, DyLight®649, DyLight®680, DyLight®800, FITC, HRP

**Recommended Negative Controls**

MOUSE IgG1 NEGATIVE CONTROL (MCA928)