# 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

## Applications

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

## 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

## Preservative 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

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\textsuperscript{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 \cite{Craig1993}. Overexpression of c-myc has been reported in a wide variety of human cancers \cite{Nesbit1999}.

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 \cite{Hilpert2001}.

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. DO NOT FREEZE. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life
18 months from date of despatch.

Health And Safety Information

Regulatory
For research purposes only

Related Products
**Recommended Useful Reagents**

- AbGUARD® HRP STABILIZER PLUS (BUF052A)
- AbGUARD® HRP STABILIZER PLUS (BUF052B)
- AbGUARD® HRP STABILIZER PLUS (BUF052C)
- TMB CORE (BUF056A)
- TMB CORE PRESTAINED (BUF057A)
- TMB CORE+ (BUF062A)
- TMB SIGNAL+ (BUF054A)

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