

## Monoclonal Antibody to c-Myc Epitope Tag (EQKLISEEDL) - Purified

<b>Alternate names:</b>	c-myc tag, myc tag, myc-tag
<b>Catalog No.:</b>	SM1863P
<b>Quantity:</b>	1 mg
<b>Concentration:</b>	1.0 mg/ml
<b>Background:</b>	p62c-myc is primarily located to the cell nucleus, but has also been shown to localised to the cytoplasm in several cell lines. Overexpression of c-myc has been reported in a wide variety of human cancers.
<b>Uniprot ID:</b>	<a href="#">P01106</a>
<b>NCBI:</b>	<a href="#">NP_002458</a>
<b>GeneID:</b>	<a href="#">4609</a>
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	9E10
<b>Immunogen:</b>	Synthetic peptide sequence AEEQKLISEEDLL corresponding to the C-terminal region of Human c-myc. Spleen cells from immunised Balb/c mice were fused with cells of the myeloma cell line.
<b>Format:</b>	<b>State:</b> Liquid purified IgG fraction. <b>Purification:</b> Affinity Chromatography on Protein G. <b>Buffer System:</b> PBS, pH 7.4 containing 0.09% Sodium Azide as preservative.
<b>Applications:</b>	<b>ELISA:</b> 1/100-1/500. <b>Western Blot:</b> 1/100-1/500 (Non-Reducing Conditions). Detects a band of approximately 62kDa in Colo 320HSR cell lysates. <b>Flow Cytometry:</b> Use 10 µl of Neat-1/10 diluted antibody to label 1x10 <sup>6</sup> cells in 100 µl. Membrane permeabilisation is required. <b>Immunohistochemistry on Frozen and Paraffin Sections:</b> This product does not require protein digestion pre-treatment of paraffin sections prior to staining. It does not require antigen retrieval using heat treatment prior to staining of paraffin sections. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody detects the 62kDa c-myc gene product, which is involved in the regulation of the cell cycle and cell growth. This antibody may also be used to detect the commonly used c-myc tag.
<b>Species Reactivity:</b>	<b>Tested:</b> Human.

**For research and in vitro use only. Not for diagnostic or therapeutic work.**

Material Safety Datasheets are available at [www.acris-antibodies.com](http://www.acris-antibodies.com) or on request.

Antibody Hotline - Technical Questions - Antibody Location Service  
Free Call: 0800-2274746 (Germany only) - [www.acris-antibodies.com](http://www.acris-antibodies.com)

**Storage:** Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.  
Avoid repeated freezing and thawing.  
Shelf life: one year from despatch.

**General References:** 1. Evan, G.I. et al. (1985) Isolation of monoclonal antibodies specific for human c-myc. Proto-oncogene product. Mol. Cell. Biol. 5: 3610-3616.  
2. Spandidos, D.A. et al. (1987) Elevated expression of the myc gene in human benign and malignant breast lesions compared to normal tissue. Anticancer Res. 7: 1299-1304.

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