

**SM1863PX****Monoclonal Antibody to c-Myc Epitope Tag (EQKLISEEDL) - Purified**

<b>Alternate names:</b>	c-myc tag, myc tag, myc-tag
<b>Quantity:</b>	2 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>Recommended Isotype Controls:</b>	SM10P (for use in human samples), AM03095PU-N
<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 ( <i>Non-Reducing Conditions</i> ). 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 for this application. <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:</b> Human. Other species not tested.

**Storage:**

Store 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 Readings:**

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3. Borodina I, Jensen BM, Søndergaard I, Poulsen LK. Display of wasp venom allergens on the cell surface of *Saccharomyces cerevisiae*. *Microb Cell Fact.* 2010 Sep 24;9:74. doi: 10.1186/1475-2859-9-74. PubMed PMID: 20868475.
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9. Duriseti S, Goetz DH, Hostetter DR, LeBeau AM, Wei Y, Craik CS. Antagonistic anti-urokinase plasminogen activator receptor (uPAR) antibodies significantly inhibit uPAR-mediated cellular signaling and migration. *J Biol Chem.* 2010 Aug 27;285(35):26878-88. doi: 10.1074/jbc.M109.077677. Epub 2010 May 25. PubMed PMID: 20501655.
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11. Wallace SW, Durgan J, Jin D, Hall A. Cdc42 regulates apical junction formation in human bronchial epithelial cells through PAK4 and Par6B. *Mol Biol Cell.* 2010 Sep 1;21(17):2996-3006. doi: 10.1091/mbc.E10-05-0429. Epub 2010 Jul 14. PubMed PMID: 20631255.
12. Rowshanravan B, Woodcock SA, Botella JA, Kiermayer C, Schneuwly S, Hughes DA. RasGAP mediates neuronal survival in *Drosophila* through direct regulation of

Rab5-dependent endocytosis. *J Cell Sci.* 2014 Jul 1;127(Pt 13):2849-61. doi: 10.1242/jcs.139329. Epub 2014 May 9. PubMed PMID: 24816559.

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