

## Product datasheet for **SM1863P**

### c-Myc (MYC) Mouse Monoclonal Antibody [Clone ID: 9E10]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	9E10
Applications:	ELISA, FC, IHC, IP, WB
Recommended Dilution:	<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.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic peptide sequence AEEQKLISEEDLL corresponding to the C-terminal region (residues 408-439) of Human c-myc conjugated to KLH. Spleen cells from immunised Balb/c mice were fused with cells of the myeloma cell line.
Specificity:	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.
Formulation:	PBS containing 0.09% Sodium Azide as preservative. State: Purified State: Liquid purified IgG fraction.
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G.
Conjugation:	Unconjugated
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.



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<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	v-myc avian myelocytomatosis viral oncogene homolog
<b>Database Link:</b>	<a href="#">Entrez Gene 4609 Human P01106</a>
<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>Synonyms:</b>	myc tag, myc-tag, c-myc tag
<b>Protein Families:</b>	Druggable Genome, Embryonic stem cells, Induced pluripotent stem cells, Stem cell - Pluripotency, Stem cell relevant signaling - JAK/STAT signaling pathway, Stem cell relevant signaling - TGFb/BMP signaling pathway, Stem cell relevant signaling - Wnt Signaling pathway, Transcription Factors
<b>Protein Pathways:</b>	Acute myeloid leukemia, Bladder cancer, Cell cycle, Chronic myeloid leukemia, Colorectal cancer, Endometrial cancer, ErbB signaling pathway, Jak-STAT signaling pathway, MAPK signaling pathway, Pathways in cancer, Small cell lung cancer, TGF-beta signaling pathway, Thyroid cancer, Wnt signaling pathway