

Product datasheet for **SM1863PX**

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

Product data:

Product Type:	Primary Antibodies
Clone Name:	9E10
Applications:	ELISA, FC, IHC, WB
Recommended Dilution:	ELISA: 1/100-1/500. Western blot: 1/100-1/500 (<i>Non-Reducing Conditions</i>). Detects a band of approximately 62kDa in Colo 320HSR cell lysates. Flow Cytometry: Use 10 µl of Neat-1/10 diluted antibody to label 1x10 ⁶ cells in 100 µl. Membrane permeabilisation is required for this application. Immunohistochemistry on Frozen and Paraffin Sections: 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 of Human c-Myc. 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, pH 7.4 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 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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Stability:	Shelf life: one year from despatch.
Gene Name:	v-myc avian myelocytomatosis viral oncogene homolog
Database Link:	Entrez Gene 4609 Human P01106
Background:	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.
Synonyms:	myc tag, myc-tag, c-myc tag
Protein Families:	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
Protein Pathways:	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