

Product datasheet for **SM1863F**

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

Product data:

Product Type:	Primary Antibodies
Clone Name:	9E10
Applications:	FC, IF, IHC
Recommended Dilution:	Flow Cytometry: Use 10 µl of neat antibody to label 10e6 cells in 100 µl. Membrane permeabilisation is required for this application. Immunofluorescence. Immunohistochemistry on Frozen Sections.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic peptide sequence AEEQKLISEEDLL corresponding to the C-terminal region 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, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. Label: FITC State: Liquid purified Ig fraction. Label: Fluorescein Isothiocyanate Isomer 1
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G.
Conjugation:	FITC
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. This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.



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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