

Product datasheet for **SM1863HRP**

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

Product data:

Product Type:	Primary Antibodies
Clone Name:	9E10
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA: 1/100-1/500. Western blot: 1/100-1/500 (Non-Reducing Conditions). Detects a band of approximately 62kDa in Colo 320HSR cell lysates. Immunohistochemistry on Frozen and Paraffin Sections: This product does not require protein digestion pre-treatment of paraffin sections prior to staining and 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 corresponding to the C-terminal region of Human c-myc.
Specificity:	This antibody detects the 62 kDa c-myc gene product. SM1863HRP may also be used to detect the commonly used c-myc 'tag'.
Formulation:	PBS, pH 7.4 Label: HRP State: Liquid purified IgG fraction from tissue culture supernatant Stabilizer: HRP Stabilizer Preservative: 0.01% Thimerosal Label: Horseradish Peroxidase
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	HRP
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE! 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:	C-myc gene product is involved in the regulation of the cell cycle and cell growth. It 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