



c-MYC Monoclonal Antibody

Product Code	CSB-MA591321
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Immunogen	Peptide sequence derived from C-terminal (aa. 410-432) of Human c-Myc conjugated with KLH.
Raised In	Mouse
Species Reactivity	Human
Specificity	This mouse mAb only detects transfected proteins.
Tested Applications	ELISA,WB;Recommended dilution:WB:1:500-1:5000
Relevance	Myc proto-oncogene encodes nuclear DNA-binding phosphoproteins that are involved in the regulation of gene expression and DNA replication during cell growth and differentiation. Myc encodes a protein of 65 kDa which is expressed in almost all normal and transformed cells. The expression correlates with the proliferation state of the cells. Transcription is repressed in quiescent or terminally differentiated cells. Expression of Myc is generally induced after mitogenic stimulation of cells or serum induction. Myc therefore is an important positive regulator of cell growth and proliferation. Myc has been demonstrated also to be a potent inducer of apoptosis when expressed in the absence of serum or growth factors. Apoptosis may serve also as a protective mechanism to prevent tumorigenicity elicited by deregulated Myc expression. Sequences of the Myc oncogene have been highly conserved throughout evolution, from Drosophila to vertebrates Baudino T A, et al. (2001) Mol Cell Biol. 21: 691-702. Blackwood E M, et al. (1991) Science. 251:1211-1217. Henriksson M, et al. (1996) Adv Cancer Res. 68: 109-182. Grandori C, et al. (2000) Annu Rev Cell Dev Biol. 16: 653-699.
Form	Supplied in mice ascites.
Purification Method	Antibodies were produced from mice ascites by injecting mice with a monoclonal cell line which was fused by mouse spleen and SP2/0 myeloma cell. Spleen cells were isolated from mice by immunizing with synthetic peptide and KLH conjugates.
Isotype	IgG1
Clonality	Monoclonal
Alias	c-myc
Product Type	Monoclonal Antibody