



# Anti-MYC monoclonal antibody, clone 9E10 [AP] (CABT-50306MC)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

### Product Overview

Mouse anti c-myc antibody, clone 9E10 detects the p62c-myc proto-oncogene protein, which is involved in the regulation of the cell cycle and cell growth. C-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. Mouse anti c-myc antibody, clone 9E10 recognizes the sequence EQKLISEEDL and may be used to detect proteins and peptides labelled with molecular tags containing this sequence. Immunohistology This product does not require protein digestion pre-treatment of paraffin sections prior to staining This product does not require antigen retrieval using heat treatment prior to staining of paraffin sections.

<b>Specificity</b>	MYC
<b>Immunogen</b>	Synthetic peptide sequence corresponding to the C-terminal region (residues 408-439) of human c-myc conjugated to keyhole limpet hemocyanin.
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	9E10
<b>Conjugate</b>	AP
<b>Applications</b>	IHC-Fr; ELISA; IHC-P; WB
<b>Format</b>	Purified IgG conjugated to Alkaline Phosphatase - liquid
<b>Size</b>	100 µg

<b>Preservative</b>	See individual product datasheet
<b>Storage</b>	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">MYC v-myc avian myelocytomatosis viral oncogene homolog [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	MYC
<b>Synonyms</b>	MYC; v-myc avian myelocytomatosis viral oncogene homolog; MRTL; MYCC; c-Myc; bHLHe39; myc proto-oncogene protein; proto-oncogene c-Myc; transcription factor p64; class E basic helix-loop-helix protein 39; avian myelocytomatosis viral oncogene homolog; v-m
<b>Entrez Gene ID</b>	<a href="#">4609</a>
<b>Protein Refseq</b>	<a href="#">NP_002458</a>
<b>UniProt ID</b>	P01106
<b>Chromosome Location</b>	8q24.21
<b>Pathway</b>	Acute myeloid leukemia; Apoptosis; Bladder cancer; C-MYB transcription factor network; C-MYC pathway; CD40/CD40L signaling; Cell Cycle; Cell Cycle, Mitotic;
<b>Function</b>	DNA binding; E-box binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription; protein binding; protein complex binding; protein dimerization activity; repressing transcription factor binding; sequence-specific DNA binding transcription factor activity; transcription factor binding;