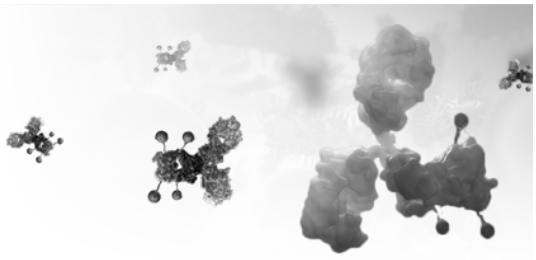

Anti-MYC monoclonal antibody, clone 9E10 [R-PE] (CABT-50315MC)

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. Flow Cytometry Use 10ul of the suggested working dilution to label 1x106 cells in 100ul.
Specificity	MYC
Immunogen	Synthetic peptide sequence corresponding to the C-terminal region (residues 408-439) of human c-myc conjugated to keyhole limpet hemocyanin.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	9E10
Conjugate	PE
Applications	FC
Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised
Size	100 tests
Preservative	0.09% Sodium Azide

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Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. in frost-free freezers is not recommended. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	MYC v-myc avian myelocytomatosis viral oncogene homolog [Homo sapiens (human)]
Official Symbol	MYC
Synonyms	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
Entrez Gene ID	4609
Protein Refseq	NP_002458
UniProt ID	P01106
Chromosome Location	8q24.21
Pathway	Acute myeloid leukemia; Apoptosis; Bladder cancer; C-MYB transcription factor network; C-MYC pathway; CD40/CD40L signaling; Cell Cycle; Cell Cycle, Mitotic;
Function	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;

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