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HIGH PERFORMANCE ANTIBODIES ... AND MORE

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c-Myc Antibody [9E10]

CATALOG NUMBER: 76-997

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	FACS, ICC, IF, IP, WB
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
SPECIFICITY:	The 9E10 monoclonal antibody specifically reacts with the human c-Myc p67 molecule, a proto-oncogene from the Myc family, which is important in transformation, proliferation, and differentiation.
HOST SPECIES:	Mouse

Properties

PURIFICATION:	The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.
PHYSICAL STATE:	liquid
BUFFER:	Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, ph7.2.
CONCENTRATION:	0.5 mg/mL
STORAGE CONDITIONS:	The product should be stored undiluted at 4˚C and should be protected from prolonged exposure to light. Do not freeze.
CLONALITY:	Monoclonal
ISOTYPE:	Mouse IgG1, kappa
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	MRTL, MYCC, c-Myc, bHLHe39, MYC
OFFICIAL SYMBOL:	MYC
GENE ID:	4609

Background

BACKGROUND:	The 9E10 monoclonal antibody specifically reacts with the human c-Myc p67 molecule, a proto-oncogene from the Myc family, which is important in transformation, proliferation, and differentiation. This gene is expressed during embryonic development, in some adult tissues, and is amplified in some tumors. Inside the cell, the gene is localized in the nucleus or cytoplasm. C-Myc is characterized by a Leucine zipper, a basic region, and a helix-loop-helix, which allow the formation of a heterodimer Myc-Max that binds to DNA, and activates the transcription. The 9E10 antibody recognizes the human c-Myc and can be used for Myc-tagged protein detection. It was obtained by using synthetic peptide similar to the terminal domain of human c-Myc as an immunogen.

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