

Datasheet

MYC monoclonal antibody, clone 9E10.3

Catalog Number: MAB13378

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against synthetic peptide of human MYC.

Clone Name: 9E10.3

Immunogen: A synthetic peptide (conjugated with KLH) corresponding to amino acids 408-439 at C-terminus region of human MYC.

Sequence:

AEEQKLISEEDLLRKRREQLKHKLEQLRNSCA

Host: Mouse

Reactivity: Human

Applications: Flow Cyt, IF, IHC-P

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Specificity: This monoclonal antibody shows no cross-reaction with v-myc.

Form: Liquid

Purification: Protein A/G purification

Isotype: IgG1, kappa

Recommend Usage: Flow Cytometry (0.5-1 ug/10⁶ cells in 0.1 mL)

Immunofluorescence (1-2 ug/mL)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL)

The optimal working dilution should be determined by the end user.

Storage Buffer: In 10 mM PBS.

Storage Instruction: Store at -20 to -80°C.

Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 4609

Gene Symbol: MYC

Gene Alias: bHLHe39, c-Myc

Gene Summary: The protein encoded by this gene is a multifunctional, nuclear phosphoprotein that plays a role in cell cycle progression, apoptosis and cellular transformation. It functions as a transcription factor that regulates transcription of specific target genes. Mutations, overexpression, rearrangement and translocation of this gene have been associated with a variety of hematopoietic tumors, leukemias and lymphomas, including Burkitt lymphoma. There is evidence to show that alternative translation initiations from an upstream, in-frame non-AUG (CUG) and a downstream AUG start site result in the production of two isoforms with distinct N-termini. The synthesis of non-AUG initiated protein is suppressed in Burkitt's lymphomas, suggesting its importance in the normal function of this gene. [provided by RefSeq]