

## Datasheet

### MYC monoclonal antibody, clone SPM237

**Catalog Number:** MAB13122

**Regulatory Status:** For research use only (RUO)

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

**Clone Name:** SPM237

**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

**Form:** Liquid

**Purification:** Protein A/G purification

**Isotype:** IgG1, kappa

**Recommend Usage:** Flow Cytometry (0.5-1 ug/10<sup>6</sup> 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]