c-Myc Monoclonal Antibody

**Catalog No.** A11911  
**Category** Monoclonal Antibodies

**Applications**  
WB, IHC, ICC, IF, IP, FC

**Observed MW** 49kDa  
**Calculated MW** 48kDa/50kDa

**Cross-reactivity** Human, Mouse, Rat

**Immunogen Information**

**Immunogen** Recombinant protein of human c-Myc  
**Gene ID** 4609  
**Swiss prot** P01106  
**Synonyms** MYC; MRTL; MYCC; bHLHe39; c-Myc; myc proto-oncogene protein

**Product Information**

**Source** Rabbit  
**Isotype** IgG  
**Purification method** Affinity purification  
**Storage** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

**Background**

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.

**Recommended Dilutions**

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