

MYC Antibody

Cat.#: BF0467
Size: 50ul,100ul,200ul

Concn.: 1mg/ml
Source: Mouse

Mol.Wt.: 49kDa
Clonality: Monoclonal

Application: ELISA 1:10000, WB 1:500-1:2000

Reactivity: Human

Purification: Affinity-chromatography.

Specificity: MYC antibody detects endogenous levels of total MYC.

Immunogen: Purified recombinant fragment of human MYC expressed in E. Coli.

Uniprot: P01106

Description: 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).

Storage Condition and Buffer: Mouse IgG1 in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.

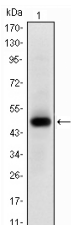


Figure 1: Western blot analysis using MYC mAb against human MYC (AA:214-387) recombinant protein. (Expected MW is 44.7 kDa)

in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking,
overnight.

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procedures. Not for resale without express authorization.