

Product Name: MYC Mouse Monoclonal Antibody
Catalog #: AMM82414



Summary

Production Name	MYC Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	FC,ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2b
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Immunogen

Gene Name	MYC
Alternative Names	MRTL; MYCC; c-Myc; bHLHe39
Gene ID	4609.0
SwissProt ID	P01106.Synthesized peptide of human MYC (AA: 23-37)

Application

Dilution Ratio	FC:1:200-1:400,ELISA:1:10000
Molecular Weight	48.8kDa

Background

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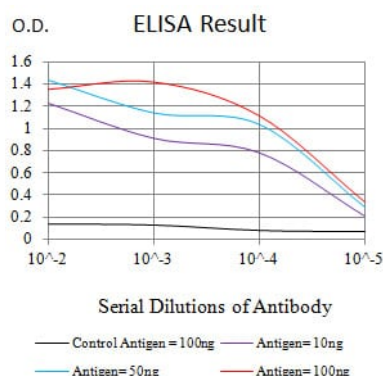


This gene is a proto-oncogene and encodes a nuclear phosphoprotein that plays a role in cell cycle progression, apoptosis and cellular transformation. The encoded protein forms a heterodimer with the related transcription factor MAX. This complex binds to the E box DNA consensus sequence and regulates the transcription of specific target genes. Amplification of this gene is frequently observed in numerous human cancers. Translocations involving this gene are associated with Burkitt lymphoma and multiple myeloma in human patients. There is evidence to show that translation initiates both from an upstream, in-frame non-AUG (CUG) and a downstream AUG start site, resulting in the production of two isoforms with distinct N-termini.

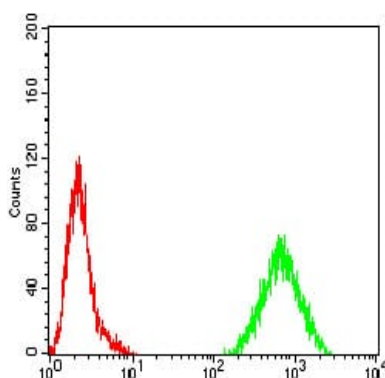
Research Area

PI3K-Akt signaling pathway, MAPK signaling pathway

Image Data



Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



Flow cytometric analysis of Hela cells using MYC mouse mAb (green) and negative control (red).

Note

For research use only.