

**Product Name: C-MYC Mouse Monoclonal Antibody****Catalog #: AMM82562**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	IHC,ELISA,FC
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
<b>Molecular Weight</b>	32.1/57/48.8kDa

**Antigen Information**

<b>Gene Name</b>	C-MYC
<b>Alternative Names</b>	MRTL; MYCC; c-Myc; bHLHe39
<b>Gene ID</b>	4609.0
<b>SwissProt ID</b>	P01106
<b>Immunogen</b>	Purified recombinant fragment of human C-MYC (AA: (290-439)) expressed in E. Coli.

**Background**

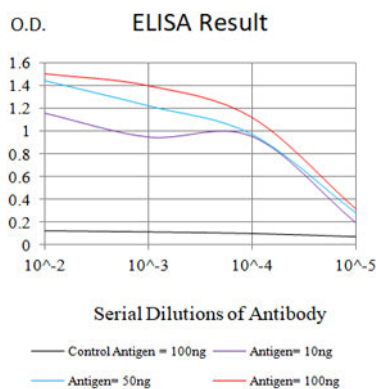
This gene is a proto-oncogene and encodes a nuclear phosphoprotein that plays a role in cell cycle progression, apoptosis and cellular transformation. The encoded protein forms a heterodimer with the related transcription factor MAX. This complex binds to the E box DNA consensus sequence and regulates 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. [provided by RefSeq, Aug 2017]

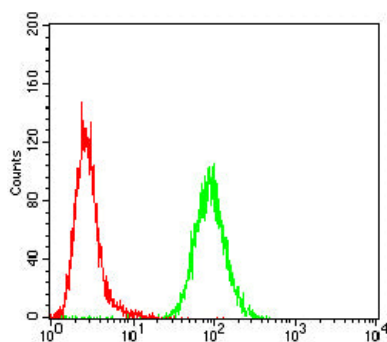
## Research Area

PI3K-Akt signaling pathway, MAPK signaling pathway

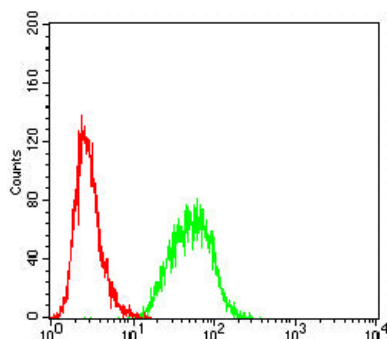
## Image Data



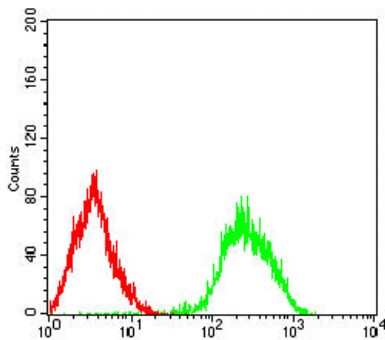
Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



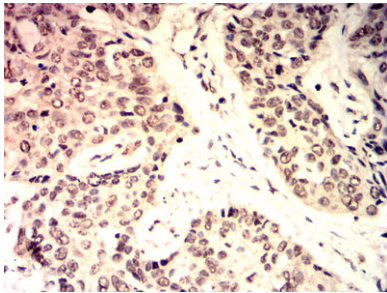
Flow cytometric analysis of Hela cells using C-MYC mouse mAb (green) and negative control (red).



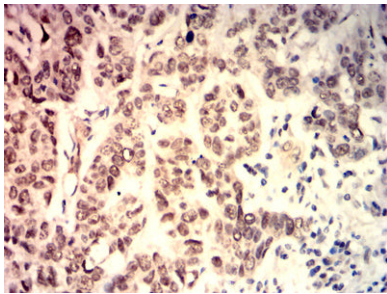
Flow cytometric analysis of Hepg2 cells using C-MYC mouse mAb (green) and negative control (red).



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



Immunohistochemical analysis of paraffin-embedded human esophageal cancer tissues using C-MYC mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissues using C-MYC mouse mAb with DAB staining.