

C-MYC Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA2321
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human C-MYC (AA: (290-439)) expressed in E. Coli.
Mol wt	32.1 57 48.8kDa
Species reactivity	Others
Clonality	Monoclonal
Recommended application	IHC;FCM
Concentration	N/A
Full name	N/A
Synonyms	MRTL;MYCC;c-Myc;bHLHe39

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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]

Recommended Dilution

WB: 1:500 - 1:2000

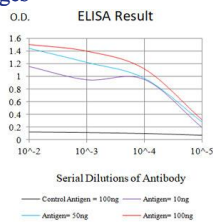
IHC-p: 1:200-1:1000

FCM: 1:200-1:400

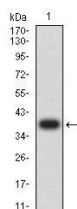
ELISA: 1:10000

Not yet tested in other applications.

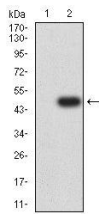
Images



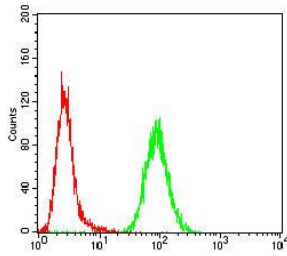
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



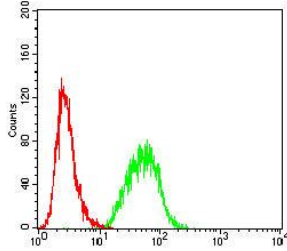
Western blot analysis using C-MYC mAb against human C-MYC (AA: (290-439)) recombinant protein.



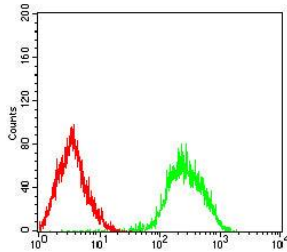
Western blot analysis using C-MYC mAb against HEK293-6e (1) and C-MYC (AA: (290-439))-hlgGFc transfected HEK293-6e (2) cell lysate.



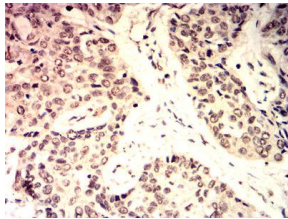
Flow cytometric analysis of HeLa cells using C-MYC mouse mAb (green) and negative control (red).



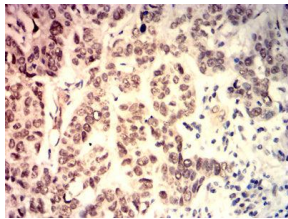
Flow cytometric analysis of Hepg2 cells using C-MYC mouse mAb (green) and negative control (red).



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



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



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

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China

Tel: 86 21 31007137 | E-mail: save@bt-laboratory.com | www.bt-laboratory.com