

MYC Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA3606
Host	Mouse
Isotype	Mouse IgG2b
Size	100µL, 50µL
Immunogen	Synthesized peptide of human MYC (AA: 23-37)
Mol wt	48.8kDa
Species reactivity	Others
Clonality	Monoclonal
Recommended application	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.

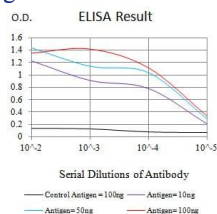
Recommended Dilution

FCM: 1:200 - 1:400

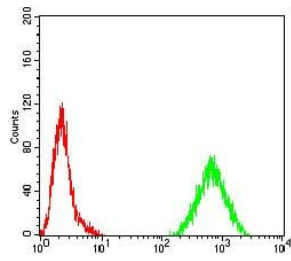
ELISA: 1:10000

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)



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

Storage

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

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