



Mouse Anti-Human c-Myc monoclonal antibody, clone JID659 (CABT-L2857)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This antibody is intended for qualified laboratories to qualitatively identify by light microscopy the presence of associated antigens in sections of formalin-fixed, paraffin-embedded tissue sections using IHC test methods.
Specificity	Human c-Myc
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	JID659
Conjugate	Unconjugated
Applications	IHC
Reconstitution	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining. The concentrated antibody requires dilution in the optimized buffer, to the recommended working dilution range.
Positive Control	Breast Carcinoma
Format	Liquid
Size	Predilute: 7 ml, Concentrate: 100 µl, Concentrate: 1 ml
Buffer	Predilute: Antibody Diluent Buffer Concentrate: Tris Buffer, pH 7.3 - 7.7, with 1% BSA

Preservative	< 0.1% Sodium Azide
Storage	Store at 2-8°C. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	c-Myc is a phosphoprotein involved with cell proliferation and differentiation. It is a useful marker for differentiation between Burkitt Lymphoma (BL) and diffuse large B-cell lymphoma (DLBCL) since, despite morphologically similarities between the two B-cell lymphomas Anti-c-Myc stains all BL and only a few DLBCL cases. A panel of antibodies against c-Myc, CD10, BCL2, and Ki-67 is useful for cases where MYC FISH analysis is warranted or can be omitted. Nuclear c-Myc overexpression is common in luminal cells of prostate intraepithelial neoplasia, many primary carcinomas, and metastatic disease.
Keywords	MYC;v-myc avian myelocytomatosis viral oncogene homolog;MRTL;MYCC;c-Myc;bHLHe39;myc proto-oncogene protein;proto-oncogene c-Myc;transcription factor p64;class E basic helix-loop-helix protein 39

GENE INFORMATION

Gene Name	MYC v-myc avian myelocytomatosis viral oncogene homolog [Homo sapiens (human)]
Official Symbol	MYC
Synonyms	MYC; v-myc avian myelocytomatosis viral oncogene homolog; MRTL; MYCC; c-Myc; bHLHe39; myc proto-oncogene protein; proto-oncogene c-Myc; transcription factor p64; class E basic helix-loop-helix protein 39; avian myelocytomatosis viral oncogene homolog; v-myc myelocytomatosis viral oncogene homolog; myc-related translation/localization regulatory factor;
Entrez Gene ID	4609
Protein Refseq	NP_002458
UniProt ID	P01106
Chromosome Location	8q24.21
Pathway	Acute myeloid leukemia; Apoptosis; Bladder cancer; C-MYB transcription factor network; C-MYC pathway; CD40/CD40L signaling; Cell Cycle; Cell Cycle, Mitotic;
Function	DNA binding; E-box binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding; RNA polymerase II core promoter proximal region sequence-specific

DNA binding transcription factor activity involved in positive regulation of transcription; protein binding; protein complex binding; protein dimerization activity; repressing transcription factor binding; sequence-specific DNA binding transcription factor activity; transcription factor binding;
