

Datasheet

MYC monoclonal antibody (M02), clone 1G7

Catalog Number: H00004609-M02

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a partial recombinant MYC.

Clone Name: 1G7

Immunogen: MYC (NP_002458, 330 a.a. ~ 439 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:

VRVLRQISNNRKCTSPRSSDTEENVKRRTHNVLERQR
RNEIKRSFFALRDQIPELENNEKAPKVVLKKATAYILS
VQAEQKLISEEDLLRKRREQLKHKLEQLRNSCA

Host: Mouse

Reactivity: Human

Applications: ELISA, IF, IF-CTC, IHC-P, S-ELISA, WB-Re, WB-Tr
(See our web site product page for detailed applications information)

Protocols: See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Isotype: IgG3 Kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 4609

Gene Symbol: MYC

Gene Alias: bHLHe39, c-Myc

Gene Summary: The protein encoded by this gene is a multifunctional, nuclear phosphoprotein that plays a role in cell cycle progression, apoptosis and cellular

transformation. It functions as a transcription factor that regulates transcription of specific target genes. Mutations, overexpression, rearrangement and translocation of this gene have been associated with a variety of hematopoietic tumors, leukemias and lymphomas, including Burkitt lymphoma. There is evidence to show that alternative translation initiations from an upstream, in-frame non-AUG (CUG) and a downstream AUG start site result in the production of two isoforms with distinct N-termini. The synthesis of non-AUG initiated protein is suppressed in Burkitt's lymphomas, suggesting its importance in the normal function of this gene. [provided by RefSeq]

References:

1. From midbody protein-protein interaction network construction to novel regulators in cytokinesis. Chen TC, Lee SA, Hong TM, Shih JY, Lai JM, Chiou HY, Yang SC, Chan CH, Kao CY, Yang PC, Huang CY. J Proteome Res. 2009 Nov;8(11):4943-53.