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**Myc Mouse Monoclonal, HRP-labeled
MOUSE MONOCLONAL**

Catalog Number: AB-534
Quantity: 100 microliters, 200 microliters, 500 microliters
Format: PBS with 50% glycerol
Host: mouse
Isotype: IgG1
Clone: PMYCHRPSHG
Immunogen: EQKLISEEDL-KLH

Background:

c-Myc 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 c-Myc have been associated with a variety of hematopoietic tumors, leukemias and lymphomas, including Burkitt's 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.

Specificity and Preparation:

This monoclonal antibody has been generated by injecting mice with the peptide EQKLISEEDL coupled to KLH. The antibody is stored in PBS/50% glycerol.

Usage and Storage:

Reported to be effective in western blots at a 1:1000 dilution. Store the antibody at -20°C. Stable for up to 1 year. Avoid repeated freezing and thawing. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate. This material is provided for LABORATORY RESEARCH USE ONLY.

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