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Antibody to Myc
MOUSE MONOCLONAL

Catalog Number: AB-535
Quantity: 100 micrograms, 200 micrograms, 500 micrograms
Format: 1×PBS and 50% glycerol
Host: Mouse
Isotype: IgG1
Clone: PMYCSHG
Immunogen: Synthetic peptide (EQKLISEEDL) coupled to 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:

Monoclonal antibodies are produced by immunizing mouse with synthetic peptide (EQKLISEEDL) conjugated to KLH.

Usage and Storage:

Reported to be effective for immunoblotting (western blot, 0.5 μ g/ml) and immunoprecipitation. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate. Store at 4°C for one month or at -20°C for 2 years.

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