Monoclonal Antibody to c-Myc
Horseradish Peroxidase (HRP) conjugated (0.1 mg)

Clone: 9E10
Isotype: Mouse IgG1
Specificity: The antibody 9E10 may be used to detect the c-Myc tag.
The c-myc gene (8q24 on human chromosome) is the cellular homologue of the v-myc gene originally isolated from an avian myelocytomatosis virus. The c-Myc protein is a transcription factor (nuclear localization). c-Myc is commonly activated in a variety of tumor cells and plays an important role in cellular proliferation, differentiation, apoptosis and cell cycle progression. The phosphorylation of c-Myc has been investigated and previous studies have suggested a functional association between phosphorylation at Thr58/Ser62 by glycogen synthase kinase 3, cyclin-dependent kinase, ERK2 and C-Jun N-terminal Kinase (JNK) in cell proliferation and cell cycle regulation. In normal cells the expression of c-Myc is tightly regulated but in human cancers c-Myc is frequently deregulated. c-Myc is also essential for tumor cell development in vasculogenesis and angiogenesis that distribute blood throughout the cells.

Regulatory Status: RUO
Immunogen: Synthetic peptide sequence (AEEQKLISEEDLL) corresponding to the C-terminal region of human c-Myc.
Species Reactivity: Human, Recognizes fusion proteins in all species
Preparation: The purified antibody is conjugated with Horseradish Peroxidase (HRP) of high specific activity and RZ=3.
Concentration: 1 mg/ml
Storage Buffer: The reagent is provided in stabilizing phosphate buffered saline (PBS) solution containing 0.01% (w/v) thimerosal.
Storage / Stability: Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.
Usage: The reagent is designed for Western Blotting analysis. Suggested working dilution is 1:500. Indicated dilution is recommended starting point for use of this product. Working concentrations should be determined by the investigator.
Expiration: See vial label
Lot Number: See vial label
References:


