

Product: Anti-c-myc/p67
Catalog #: 03-652130
Amount: 50 µl

CATEGORY: Mouse monoclonal
CLONE DETERMINATION: 9E10
IMMUNOGLOBULIN CLASS: IgG1, kappa
FORM: Hybridoma culture supernatant
MOLECULAR WEIGHT: 62 kDa
IMMUNOGEN: Synthetic c-myc peptide, link to KLH
EEQKLISEEDL of peptide G (epitope corresponding to amino
Acids 408-439 (C-terminal)

DESCRIPTION/SPECIFICITY: In Western blotting experiments 9E10 identifies a 62 kD protein,
identical to the human protooncogene c-myc (also described as
p62c-myc and p67c-myc). Measuring overexpression of c-myc
has been proven of diagnostic value in various types of cancer and
could be correlated with a poor prognosis e.g. in nasopharyngeal
carcinoma. A similar prognostic value was found for breast and
hepatocellular carcinoma using immunohistochemistry. C-myc
plays a central role in cell differentiation and apoptosis and is
induced after mitogenic stimulation in many different cell-types.
Widely used in combination with eukaryotic expression vectors
encoding proteins with c-myc epitope tag

ANTIGEN RECOGNIZED IN SPECIES (tested so far): Human
APPLICATION (tested so far): Immunohistochemistry on frozen and paraffin sections (improved
when using microwave method)
Cytological Material
Immunoblotting (ECL)
Immunoprecipitation

WORKING DILUTION: IHC (frozen): 1:100
IHC (paraffin): 1:50
Immunoblotting (western, ECL): 1:2000
Optimal dilution should be performed by serial dilution

INCUBATION TIME: 1 hour at room temperature, extended with paraffin
STORAGE: 2-8°C for immediate use; or at -20°C (aliquot)

REFERENCES:
Evan, G.I. et al. (1985) Mol Cell Biol **5**: 3610-3616
Fuchs, P. et al. (1997) Hybridoma **16**: 227-233

This product is sold for laboratory research use or further manufacturing only and should not be used for human therapeutic or diagnostic applications. The information presented is believed to be accurate; however, said information and products are offered without warranty or guarantee since the ultimate conditions of use and the variability of the materials treated are beyond our control. Nothing disclosed herein is to be construed as a recommendation to use our products in violation of any patents. Under no circumstances shall ARP American Research Products, Inc. be liable for damages, whether consequential, compensatory, incidental or special, strict liability or negligence, breach of warranty or any other theory arising out of the use of the products available from ARP American Research Products, Inc. Nothing contained herein warrants that the use of the products will not infringe on the claims of any patents covering the product itself or the use thereof in combination with other products or in the operation of any process.