c-myc Ab-5 (Clone 67P05)
Mouse Monoclonal Antibody
Cat. #DLN-06682, DLN-06683, or DLN-06681 (0.1ml, 0.5ml, or 1.0ml at 200µg/ml) (Purified Ab with BSA and Azide)
Cat. #DLN-06684 or DLN-06685 (0.1ml or 0.2ml at 1.0mg/ml) (Purified Ab without BSA and Azide)

Description: c-myc is involved in the control of cell proliferation and differentiation and is amplified and/or overexpressed in a variety of tumors. Translocation of the c-myc locus on chromosome 8 to the immunoglobulin loci on chromosome 14 (heavy chain); 2 (κ light chain); or 22 (λ light chain) is described in Burkitt’s lymphoma and other B-cell lymphoproliferative conditions. An aberrant expression of the c-myc gene occurs in tumors of different origins such as colorectal, gastric, gallbladder, hepatic, mammary, ovarian, endometrial, head and neck, pulmonary, prostatic, thyroidal, oral, ocular, nasopharyngeal, endocrine, as well as hematopoietic neoplasms.

Comments: Ab-5 is excellent for Western blotting of c-myc protein.

Mol. Wt. of Antigen: 64-67kDa

Epitope: Not determined

Species Reactivity: Human, Mouse, Rat, and Chicken. Others-not tested.

Clone Designation: 67P05

Ig Isotype: IgG1

Immunogen: Recombinant c-myc protein

Applications and Suggested Dilutions:
• Gel Supershift (Not verified)
• Immunofluorescence
• Immunohistology (Not Suitable)
• Immunoprecipitation (Native and Denatured)
  (Use Protein G) (Ab at 2µg/mg protein lysate)
• Western Blotting (1-2µg/ml for 2hrs at RT))

The optimal dilution for a specific application should be determined by the investigator.

Positive Control: Raji cells.

Cellular Localization: Nuclear

Storage and Stability: Ab with sodium azide is stable for 24 months when stored at 2-8°C. Antibody WITHOUT sodium azide is stable for 36 months when stored at below 0°C.
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Supplied As:
200µg/ml antibody purified from the ascites fluid by Protein G chromatography. Prepared in 10mM PBS, pH 7.4, with 0.2% BSA and 0.09% sodium azide. Also available without BSA and azide at 1 mg/ml.

Suggested References:

Limitations and Warranty:
Our products are intended FOR RESEARCH USE ONLY and are not approved for clinical diagnosis, drug use or therapeutic procedures. No products are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our data sheets and website. Our warranty is limited to the actual price paid for the product. Dianova is not liable for any property damage, personal injury, time or effort or economic loss caused by our products.

Material Safety Data:
This product is not licensed or approved for administration to humans or to animals other than the experimental animals. Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. The material contains 0.09% sodium azide as a preservative. Although the quantity of azide is very small, appropriate care should be taken when handling this material as indicated above. The National Institute of Occupational Safety and Health has issued a bulletin citing the potential explosion hazard due to the reaction of sodium azide with copper, lead, brass, or solder in the plumbing systems. Sodium azide forms hydrazoic acid in acidic conditions and should be discarded in a large volume of running water to avoid deposits forming in metal drainage pipes.

For Research Use Only

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Additional Suggested References: