



11-433-C100

Monoclonal Antibody to c-Myc Purified Antibody (0.1 mg)

Clone:	9E10
Isotype:	Mouse IgG1
Specificity:	<p>The antibody 9E10 may be used to detect the c-Myc tag.</p> <p>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.</p>
Immunogen:	Synthetic peptide sequence (AEEQKLISEEDLL) corresponding to the C-terminal region of human c-myc.
Species Reactivity:	Human, Recognizes fusion proteins in all species
Application:	<p>Flow Cytometry <i>Recommended dilution:</i> 1-5 µg/ml <i>Application note:</i> Membrane permeabilization is required.</p> <p>Immunoprecipitation <i>Recommended dilution:</i> 1-5 µg/ml <i>Application note:</i> not suitable for immunoprecipitation of native c-Myc protein</p> <p>Western Blotting <i>Recommended dilution:</i> 0,5-2 µg/ml <i>Positive control:</i> c-Myc tagged protein</p> <p>Immunohistochemistry (paraffin sections) <i>Recommended dilution:</i> 5-10 µg/ml <i>Positive tissue:</i> perfused brain sections, liver, spleen</p>
Purity:	> 95% (by SDS-PAGE)
Purification:	Purified from ascites by protein-G affinity chromatography.
Concentration:	1 mg/ml
Storage Buffer:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
Storage / Stability:	Store at 2-8°C. Do not use after expiration date stamped on vial label. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.
Expiration:	See vial label
Lot Number:	See vial label

For laboratory research only, not for drug, diagnostic or other use.

**Antibodies****References:**

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