



11-433-C025

Monoclonal Antibody to c-Myc Purified Antibody (0.025 mg)

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| 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> |
| 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 |
| Application: | <p>Flow Cytometry Recommended dilution: 1-5 µg/ml Application note: Membrane permeabilization is required.</p> <p>Immunoprecipitation Recommended dilution: 1-5 µg/ml Application note: not suitable for immunoprecipitation of native c-Myc protein</p> <p>Western Blotting Recommended dilution: 0,5-2 µg/ml Positive control: c-Myc tagged protein</p> <p>Immunohistochemistry (paraffin sections) Recommended dilution: 5-10 µg/ml Positive tissue: perfused brain sections, liver, spleen</p> |
| Purity: | > 95% (by SDS-PAGE) |
| Purification: | Purified by protein-A 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 freeze. Do not use after expiration date stamped on vial label. |
| 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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