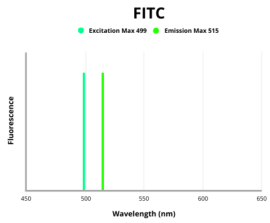
# Myc Proto-Oncogene Protein (MYC) Antibody (FITC)

Catalogue No.:abx139769




Fluorescence emission spectra of FITC.



c-Myc Antibody is a Mouse Monoclonal against c-Myc.

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| **Target:** | Myc Proto-Oncogene Protein (MYC) |
| **Clonality:** | Monoclonal |
| **Clone:** | O971 |
| **Reactivity:** | General |
| **Tested Applications:** | FCM |
| **Host:** | Mouse |
| **Recommended dilutions:** | Validated in IHC-P. Optimal dilutions/concentrations should be determined by the end user. |
| **Conjugation:** | FITC |
| **Excitation/Emission:** | 499/515 |
| **Laser Line:** | 488 |
| **Immunogen:** | Synthetic peptide sequence (AEEQKLISEEDLL) corresponding to the C-terminal region of Human c-Myc. |
| **Isotype:** | $IgG_1$ |
| **Storage:** | Store in the dark at 2-8°C. Avoid exposure to light. Do not freeze. |
| **UniProt Primary AC:** | P01106 (UniProt, ExPASy) |
| **GeneID:** | 4609 |


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|---|---|
| **KEGG:** | hsa:4609 |
| **String:** | 9606.ENSP00000479618 |
| **Buffer:** | PBS solution with 15 mM sodium azide. |
| **Specificity:** | The antibody 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. |
| **Concentration:** | 1 mg/ml |
| **Note:** | THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION. |




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