

## 39-1025: Anti-c-Myc Monoclonal Antibody (Clone: 9E10)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	9E10
<b>Application :</b>	WB,IHC-P,ICC
<b>Reactivity :</b>	Human
<b>Gene :</b>	MYC
<b>Gene ID :</b>	4609
<b>Uniprot ID :</b>	P01106
<b>Alternative Name :</b>	Myc proto-oncogene protein; Proto-oncogene c-Myc; Transcription factor p64; Myc
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	Synthetic peptide corresponding to residues 408-439 of the human p62c-Myc protein.

### Description

C-Myc is an oncogene that functions both in the stimulation of cell proliferation and in apoptosis. c-Myc elicits its oncogenic activity by causing immortalization, and to a lesser extent the transformation of cells, in addition to several other mechanisms. The c-MYC proto-oncogene encodes a transcription factor that is critical for cell growth and proliferation. It is one of the genes frequently altered in cancer cells in which it exhibits constitutive activity. Downregulation of c-Myc is critical for 2-Methoxyestradiol(2ME2)-induced oxidative stress and apoptosis in AML cells. And its up-regulation is important for promoting lymphocyte cell division, and demonstrating that GFP-c-Myc expression is a marker of proliferating lymphocytes in vivo.

### Product Info

<b>Amount :</b>	100 µg/vial
<b>Purification :</b>	Ascites
<b>Content :</b>	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN <sub>3</sub> as preservative. Reconstitute : Add 1ml of PBS buffer will yield a concentration of 100ug/ml.
<b>Storage condition :</b>	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

### Application Note

Western blot : 4Å¼g/ml; Immunohistochemistry(Paraffin-embedded Section) : 8Å¼g/ml; Immunocytochemistry : 1Å¼g/ml

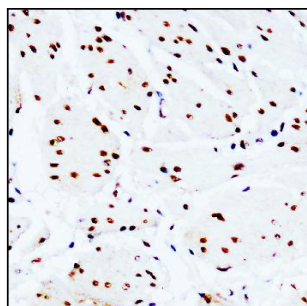


Figure 1: Anti-c-Myc monoclonal antibody(39-1025). IHC(P): Rat Cardiac Muscle Tissue.