

## 10-10013: Monoclonal Antibody to c-MYC (Clone:9 E 10)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	9 E 10
<b>Application :</b>	WB
<b>Reactivity :</b>	Human
<b>Gene :</b>	MYC
<b>Gene ID :</b>	4609
<b>Uniprot ID :</b>	P01106
<b>Format :</b>	Purified
<b>Alternative Name :</b>	MYC,BHLHE39
<b>Isotype :</b>	Mouse IgG1 Kappa
<b>Immunogen Information :</b>	A synthetic peptide corresponding to amino acids 408-432 (AEEQKLISEEDLLRKRREQLKHKLE) of human c-Myc was used as the immunogen for this antibody.

### Description

c-Myc proto-oncogene encodes nuclear DNA-binding phosphoproteins that are involved in the regulation of gene expression and DNA replication during cell growth and differentiation. Myc encodes a protein of 65 kDa which is expressed in almost all normal and transformed cells. The Myc protein activates transcription as part of a heteromeric complex with Max. Myc protein represses the expression of Ferritin-H, which sequesters intracellular iron, and stimulates the expression of IRP2 (Iron Regulatory Protein-2), which increases the intracellular iron pool. Myc induces transcription of the E2F1, E2F2 and E2F3 genes. Myc-induced S phase and apoptosis requires distinct E2F activities. The induction of specific E2F activities is an essential component in the Myc pathways that control cell proliferation and cell fate decisions.

### Product Info

<b>Amount :</b>	25 µg / 100 µg
<b>Purification :</b>	Protein G Chromatography
<b>Content :</b>	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
<b>Storage condition :</b>	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

Western blot analysis: 2-4 µg/ml

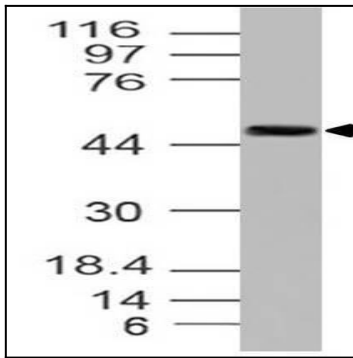


Fig-1: Western blot analysis of c-Myc. Anti-c-Myc antibody (Clone:9 E 10) was tested at 2  $\mu$ g/ml on HEK293 lysate.