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## Anti-c-Myc p67 Purified

**Catalog Number:** 14-6785

**Also Known As:** cmyc

**RUO: For Research Use Only**

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### Product Information

**Contents:** Anti-c-Myc p67 Purified

 **Catalog Number:** 14-6785

**Clone:** 9E11

**Host/Isotype:** Mouse IgG2a, kappa

**Formulation:** 200 µg/ml mouse monoclonal IgG2a in PBS, 0.1 % sodium azide, 0.2% gelatin.



**Temperature Limitation:** Store at 2-8°C.



**Batch Code:** Refer to Vial



**Use By:** Refer to Vial



**Caution, contains Azide**

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### Description

The 9E11 antibody reacts with mouse, human and chicken c-Myc; the antibody was, raised against a synthetic peptide, AEEQKLISEEDL (aa 408-420) of human c-myc. The transcription factor c-Myc is a proto-oncogene that is at the focal point in cell cycle regulation, metabolism, apoptosis, differentiation, cell adhesion, and tumorigenesis (1-3). In normal cells the expression of c-Myc is tightly regulated but in human cancers c-Myc is frequently deregulated (2&3). c-Myc also plays a pivotal role in apoptosis, most notably its connections to the CD95/Fas death receptor pathway (1&4). These different biological responses to c-Myc are most likely the result of different overlapping subsets of c-Myc target genes (1).

### Applications Reported

Purified anti-mouse, human, chicken c-Myc p67 has been reported for use in immunoprecipitation, immunoblotting (WB), and immunohistochemical staining.

### Applications Tested

The 9E11 antibody has been tested by immunoblotting (WB). (1:500 starting dilution). It is recommended that this antibody be titrated for optimal performance in the assay of interest.

### References

1. Hoffman B, Amanullah A, Shafarenko M, Liebermann DA. 2002. The proto-oncogene c-myc in hematopoietic development and leukemogenesis. *Oncogene* 21(21): 3414-3421.
2. Boxer LM, Dang CV. 2001. Translocations involving c-myc and c-myc function. *Oncogene* 20(40):5595-5610.
3. Dang CV, Resar LM, Emison E, Kim S, Li Q, Prescott JE, Wonsey D, Zeller K. 1999. Function of the c-Myc oncogenic transcription factor. *Exp Cell Res* 253(1): 63-77.
4. Prendergast GC. 1999. Mechanisms of apoptosis by c-Myc. *Oncogene* 18(19):2967-2987.

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