



## MYC Mouse Monoclonal Antibody

E10-30209

**Background:** The protein encoded by this gene is a multifunctional, nuclear phosphoprotein that plays a role in cell cycle progression, apoptosis and cellular transformation. It functions as a transcription factor that regulates transcription of specific target genes. Mutations, overexpression, rearrangement and translocation of this gene have been associated with a variety of hematopoietic tumors, leukemias and lymphomas, including Burkitt lymphoma. There is evidence to show that alternative translation initiations from an upstream, in-frame non-AUG (CUG) and a downstream AUG start site result in the production of two isoforms with distinct N-termini. The synthesis of non-AUG initiated protein is suppressed in Burkitt's lymphomas, suggesting its importance in the normal function of this gene. (provided by RefSeq).

**Catalog Number:** E10-30209

**Amount:** 100µg/100µl

**Clone Number:** 7E10

**Species:** Mouse IgG1

**MW:** 49kDa

**Aliases:** MRTL; c-Myc; bHLHe39

**Entrez Gene:** 4609

**Immunogen:** Purified recombinant fragment of human MYC expressed in E. Coli.

**Storage:** Store at 4°C, for long term storage, store at -20°C.

**Formulation:** Ascitic fluid containing 0.03% sodium azide.

**Species Reactivities:** Human

**Tested Applications:** WB, ELISA. Not yet tested in other applications.

**Application notes:** WB: 1/500 - 1/2000, ELISA: Propose dilution 1/10000.

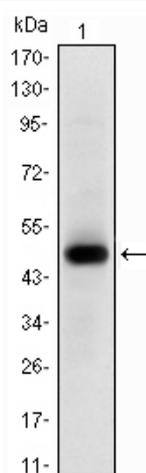
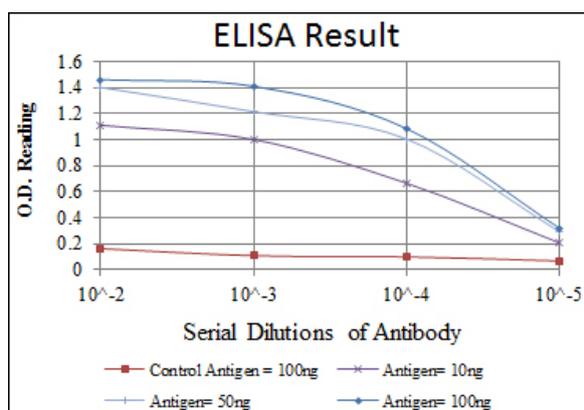


Figure 1: Western blot analysis using MYC mAb against recombinant protein.



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