

TECHNICAL DATA SHEET

# Purified Anti-Human c-Myc (9E10)

Catalog Number: 70-6784

## PRODUCT INFORMATION

**Contents:** Purified Anti-Human c-Myc (9E10)

**Isotype:** Mouse IgG1, kappa

**Concentration:** 0.5 mg/mL

**Clone:** 9E10

**Reactivity:** Human

**Formulation:** 10 mM NaH<sub>2</sub>PO<sub>4</sub>, 150 mM NaCl, 0.09% NaN<sub>3</sub>, pH7.2

## DESCRIPTION

The 9E10 antibody was generated using a peptide (EQKLISEEDL) within the C-terminal region of human c-myc, a protein expressed in the cell nucleus, where it plays an important role in cell cycle regulation and apoptosis. In addition, c-myc is considered to be a proto-oncogenic protein as it is expressed at higher levels in a variety of hematopoietic tumors. The 9E10 antibody is widely utilized to purify or identify recombinant proteins which have been engineered to express the 9E10 epitope tag. c-myc tagged proteins may be analyzed by flow cytometry, western blot, and ELISA, among many other applications. The epitope detected by 9E10 is highly conserved, allowing this antibody to be used in a variety of species.

## PREPARATION & STORAGE

This monoclonal antibody preparation was purified from tissue culture supernatant via affinity chromatography. For In Vivo Ready™ (IVR) products, each preparation is also evaluated for endotoxin levels using the LAL assay. It is recommended to store the product undiluted at 4°C. Do not freeze.

## APPLICATION NOTES

This purified format is guaranteed to be >90% pure as determined by SDS-PAGE analysis. Citations are provided as a convenience to you - please consult Materials and Methods sections for additional details about the use of any product in these publications.

## REFERENCES

Stengel et al. 2012. Proc. Natl. Acad. Sci. 109: 5399-5404. (Cell sorting / flow cytometry) Servant et al. 2012. Nucleic Acids Res. 40: 5271-5282. (Chromatin immunoprecipitation /ChIP) Manca et al. 2012. Proc. Natl. Acad. Sci. 109: 2009-2012. (in vitro injection – chicken embryos) Hou et al. 2012. J. Biol. Chem. 287: 474-483. (western blot, immunoprecipitation) Neerinx et al. 2012. J. Immunol. 188: 4940-4950. (immunofluorescence microscopy) Dodson et al. 2012. Hum. Mol. Genet. 21: 1350-1363. (immunocytochemistry) Laurent et al. 2012. Nucleic Acids Res. 40: 3159-3171. (RNA-FISH combined with immunofluorescence) Banfield et al. 1994. J. Cell Biol. 127: 357-371. (Electron microscopy)

NOTE: Please choose the appropriate format for each application. Citations are provided as a convenience to you; please consult Materials and Methods sections for additional details about the use of any product in these publications.

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