

c-myc mAb (clone 9E10.2)

Quality Control Certificate of Analysis
Catalogue No.: A010-Myc-5
Unit Size: 5 µg
Lot No: 0212-02

Background: c-Myc, is a polypeptide tag of sequence (N-EQKLISEEDL-C) derived from the regulator protein myc (Evan *et al.*, 1985). Commonly integrated into recombinant proteins as an N or C terminal tag, the Myc tag is used to facilitate affinity chromatography, protein localisation or protein-protein interaction studies. The Badrilla Myc monoclonal antibody from clone 9E10.2 produces exceptional staining in both immunoblotting and immunohistochemical applications and can be used at extremely high dilutions. However, by using A010-9E10 at a dilution of 1:20,000, the 5 µg pack supports the equivalent of **58 western blots**.

Description: Lyophilised **Mouse** monoclonal Ab clone 9E10.2

Vial Constituents: 5 µg of affinity purified c-Myc antibody.

Immunogen: Synthetic peptide EQKLISEEDL derived using the sequence of human c-myc gene product.

Species Cross Reactivity: Does not react with mouse or chicken c-myc

Antibody Isotype: IgG1

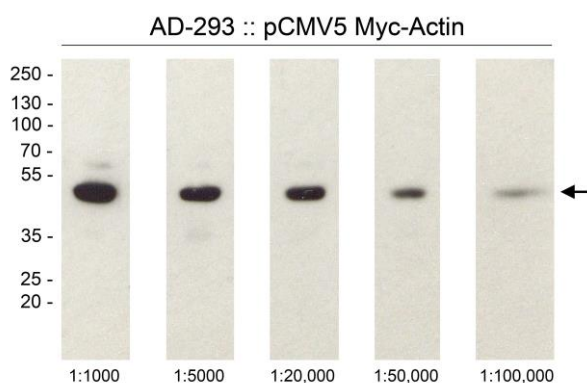
Storage Instructions: Lyophilised antibody is stable at 4 °C when stored with desiccant. Reconstitute lyophilised powder in **5.8 µl** of 18 MΩ H₂O to produce a 0.8 µg/ml solution. Aliquot and store frozen at -80 °C for 1 year. Avoid freeze - thaw cycles.

Antibody Purity: Protein G Affinity Purified

Specificity: Highly specific for human c-Myc protein

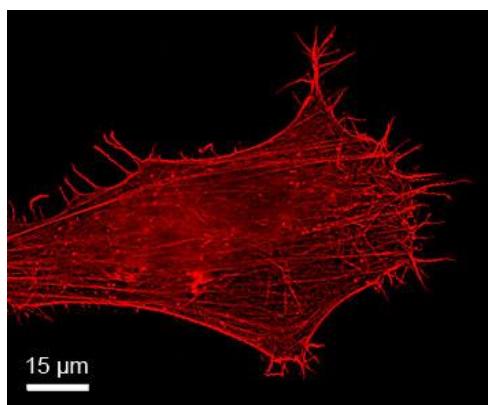
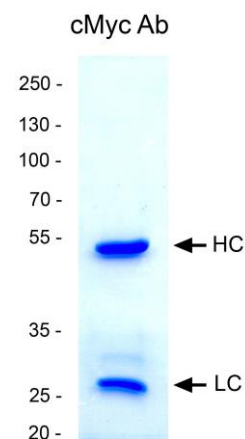
Tested Applications: WB **40 µg/ml (1:20,000 dilution)**, IF 0.8 ng/ml (1:1000 dilution).

* For Research Use - not for therapeutic or diagnostic use in humans *



WB using A010-9E10 against cell lysate from approximately 160k AD-293 cells expressing Myc-Actin recombinant protein. 12% gel, PVDF membrane, ECL development, 30 second film exposure. A 10cm dish of AD-293 cells were CaCl₂ transfected with 20 µg of pCMV-Myc-β-Actin and harvested in SDS-loading buffer.

4.8 µg of affinity purified c-Myc antibody before stabilizer addition



Immunofluorescent staining of a HeLa cell expressing recombinant Myc-Actin using 1:1000 A010-9E10. Cells fixed in 2% PFA, permeabilised in PBS, 1% BSA, 0.1% triton x, stained using 1:1000 A010-Myc for 1 hour followed anti-mouse Alexa Fluor 568 (Invitrogen) for 1 hour at a dilution of 1:200. Cells were visualised using an Olympus IX-70 wide field microscope using a 60 x objective lens (N/A 1.4).

Related Products: A010-myc-50 (anti-c-myc 50 µg), A010-pGFP (anti GFP Ab), A010-pRFP (anti-RFP), A010-MBP, A010-GST

Background references: Evan, G. I., Lewis, G. K., Ramsay, G., and Bishop, J. M. (1985) *Mol Cell Biol* 5, 3610-3616