Abking Biotechnologies Inc.
Add: Rm. 2, 13F., No.25, Ln. 169, Kangning St., Xizhi Dist.,
New Taipei City 221, Taiwan
Tel: 886-2- 2692-4275 Fax: 886-2- 2692-4539
E-mail: abking@abk.com.tw

Product Information

Peroxidase-Mouse Anti-MYC Monoclonal Ab Clone *3*A5-1B5

produced in mouse, purified immunoglobulin
Catalog Number **MH0011-02(0.2mg/vial)**

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Product Description
Monoclonal Anti-MYC Antibody is a purified immunoglobulin, IgG1, monoclonal antibody isolated from mouse ascites fluid.
Anti-MYC reacts specifically with MYC tagged recombinant fusion proteins expressed in transfected mammalian cells, from E. coli or from in vitro translation. Peroxidase-conjugated mouse anti-MYC monoclonal antibody is also useful in ELISA, Immunoblotting, Immunofluorescent staining.

Reagent
Supplied in Freeze-dried powder. Resuspended in 0.4 ml 50% glycerol which contains 10 mM sodium phosphate, 150 mM NaCl, pH 7.4, containing 2 mg/ml BSA.

Precautions and Disclaimer
This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage
Store undiluted antibody at –20℃ Repeated freezing and thawing is not recommended.

Package & Preparation Instructions
Each bottle contains 0.2 mg Ab. Dilute the antibody to 0.2 to 2.5 µg/ml in 0.05 M Tris buffered saline (TBS), pH 7.4 or PBS. Adjust the antibody concentration to maximize detection sensitivity.

Product Profile
Antigenic binding site:
N-Glu-Gln-Lys-Leu-Ile-Ser-Glu-Glu-Asp-Leu-C.

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Clonality	monoclonal
Clone number	*3*A5-1B5
Isotype	IgG_1
Light chain type	kappa
Purity	Protein G purified

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Procedures

- *Procedure for Western Blot*

1. Transfer the MYC fusion protein of interest from *E. coli* or crude mammalian cell lysate to a PVDF membrane.
2. Block the membrane by using a solution of 5% non-fat dry milk in TBS or PBS at room temperature for 5 minutes to 1 hour.
3. Wash the membrane three for 5 minutes each in TBS or PBS with 0.05% Tween 20 (Wash Buffer-WB) at room temperature.
4. Incubate the membrane with Peroxidase-conjugated Mouse anti-MYC monoclonal antibody (MH0001) as the primary antibody at 0.2 to 1 µg/ml in with 5% non-fat dry milk of Wash Buffer-WB at room temperature for 60 minutes (do not exceed 2 hours). Adjust the antibody concentration to maximize detection sensitivity and to minimize background.
5. Wash the membrane three times for 5 minutes each in Wash Buffer-WB at room temperature with agitation.
6. Treat the membrane with chemiluminescent, or other peroxidase substrate.

- *Procedure for Immunofluorescent staining*

1. Culture mammalian cells on cover slip for proper time. Fix the cover slip with cold acetone/ methanol (1:1) for 90 seconds or 4% paraformaldehyde for 15 minutes.
2. Dilute the antibody to 0.4 to 1µg/ml in PBS with 0.05% Tween 20 (Wash Buffer-IF). After soaking in PBS with 2.5% BSA, cells were stained with anti-MYC Ab at 37 ℃ for 30 minutes to overnight.
3. Wash the cell by incubating in Wash Buffer-IF at room temperature for three times, each 5 minutes.
4. Incubate the cells with FITC Anti-mouse IgG as the secondary antibody in Wash Buffer-IF at room temperature for 30 minutes to 1 hour.
5. Wash the cover slip for three times as previous steps. Mount the cells on 50% to 90% glycerol and visualize the cells on fluorescent microscope.