

## Certificate of Analysis

### Anti-Myc Tag, clone 4A6

(mouse monoclonal IgG<sub>1</sub>)

Catalog # 05-724MG

Lot # DAM1661043

**Immunogen:** KLH-conjugated, synthetic peptide corresponding to amino acids 410-420 (MEQKLISEEDL) of human Myc. Clone 4A6.

**Specificity:** Recognizes and is specific for recombinant proteins containing the Myc epitope tag (EQKLISEEDL) in a variety of sequence contexts. Also recognizes human Myc.

**Species Cross-reactivity:** Human. Other species cross-reactivity not tested.

**Formulation:** 1mg of protein G purified mouse IgG<sub>1</sub> in 1.0ml of PBS. Frozen at -20°C.

**Storage and Stability:** Stable for 2 years at -20°C from date of shipment. For maximum recovery of product, centrifuge the vial prior to removing the cap. Aliquot to avoid repeated thawing and freezing.

**FOR RESEARCH USE ONLY  
 NOT FOR USE IN HUMANS**

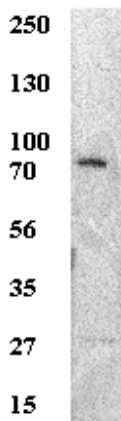
#### Quality Control Testing

**Immunoblot Analysis:** 0.5-2µg/ml of this lot detected Myc-tagged recombinant protein in 3T3NIH cells.

#### Additional Research Applications

**Immunoprecipitation:** An independent laboratory has reported that this antibody immunoprecipitates Myc-tagged protein from transfected cells.

**Immunocytochemistry:** This antibody has been reported by an independent laboratory to detect Myc-tagged nuclear protein in HeLa cells.



#### Immunoblot Analysis

Representative lot data. Lysates from NIH/3T3 cells were resolved by electrophoresis, transferred to nitrocellulose and probed with anti-Myc Tag, clone 4A6 (0.5µg/ml). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and a chemiluminescence detection system.

### Immunoblot Protocol

1. Perform SDS-polyacrylamide gel electrophoresis (SDS-PAGE) on a transfected cell lysate sample (cell lysis buffer: 50mM Tris-HCl, pH 7.4; 1% NP-40; 0.25% sodium deoxycholate; 150mM NaCl; 1mM EDTA; 1mM PMSF; 1µg/ml each aprotinin, leupeptin, pepstatin; 1mM Na<sub>3</sub>VO<sub>4</sub>, 1mM NaF) and transfer the proteins to nitrocellulose. Wash the blotted nitrocellulose twice with water.
2. Block the blotted nitrocellulose in freshly prepared TBS containing 3% nonfat dry milk (Catalog # 20-200), (TBS-MLK) for 1 hour at room temperature with constant agitation.
3. Incubate the nitrocellulose with **0.5-2µg/ml of anti-Myc Tag, clone 4A6**, diluted in freshly prepared TBS-MLK for 2 hours at room temperature with constant agitation.
4. Wash the nitrocellulose twice with water.
5. Incubate the nitrocellulose in the secondary reagent of choice (a goat anti-mouse HRP conjugated IgG, Catalog # 12-349, 1:4000 dilution was used) in TBS-MLK for 30 minutes at room temperature with agitation.
6. Wash the nitrocellulose twice with water.
7. Wash the nitrocellulose in TBS-0.05% Tween 20 for 3-5 minutes.
8. Rinse the nitrocellulose in 4-5 changes of water.
9. Use detection method of choice (enhanced chemiluminescence was used).

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