

**Certificate of Analysis**

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**Anti-Myc Tag, clone 4A6, Alexa Fluor® 488 conjugate**

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

Catalog # 16-224

Lot # JBC1356588

**Immunogen:** KLH-conjugated, synthetic peptide corresponding to amino acids 410-420 (MEQKLISEEDL) of human Myc. Clone 4A6 conjugated to Alexa Fluor® 488.

**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.

**Applications:** Western blotting, immunofluorescence.

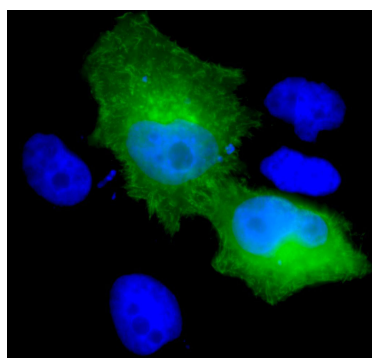
**Formulation:** 100µg Alexa Fluor® 488 conjugated mouse IgG<sub>1</sub> in 200µl of PBS containing 1% BSA, 0.05% Tween, 0.05% sodium azide. Liquid at 4°C.

**Storage and Stability: Do Not Freeze.** Do not store the material diluted. Stable for 1 year at 4°C from date of shipment. For maximum recovery of product, centrifuge original vial prior to removing cap.

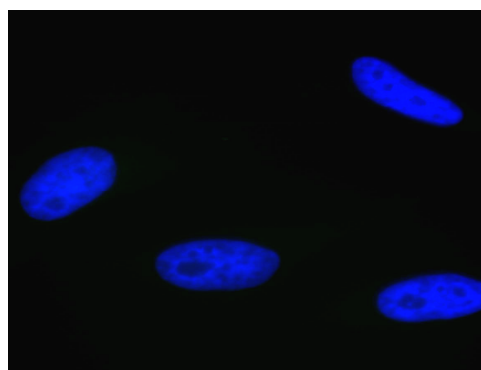
**FOR RESEARCH USE ONLY  
NOT FOR USE IN HUMANS**

**Quality Control Testing**

**Immunocytochemistry:** HeLa cells were stained with 2µg/ml of this lot to detect Myc-tagged recombinant protein.

**Immunocytochemistry**

**Panel A:** HeLa cells were transfected with Akt/PKBα cDNA (activated) in pUSEamp containing a Myc/His tag (Catalog # 21-151). Cells were stained using Anti-Myc Tag, Alexa Fluor® 488 from a previous lot (green) and counterstained with DAPI (blue).



**Panel B:** HeLa cells were not transfected. Cells were stained using Anti-Myc Tag, Alexa Fluor® 488 from a previous lot (green) and counterstained with DAPI (blue).

### Immunocytochemistry Protocol

1. Plate cells on coverslips in each well of a plate. Place the cells in a CO<sub>2</sub> incubator at 37°C for 24 hours.
2. Remove media and wash the cells with PBS by rinsing 2 times.
3. Add fixative (3.7% formaldehyde) in PBS for 20 minutes at room temperature. Wash two times with PBS for 5 minutes.
4. Permeabilize with 0.5% Triton X-100 for 2 minutes.
5. Wash the cells 2 times with PBS for 5 minutes.
6. Incubate the cells with **2µg/ml of anti-Myc Tag, clone 4A6, Alexa Fluor<sup>®</sup> 488 Conjugate** in 5% BSA in PBS at 200uL/well for 1 hour.
7. Wash the cells 2 times with PBS for 5 minutes.
8. Mount the coverslip to a slide and dry.
9. Add one drop of DAPI/Antifade (S7113) to each square
10. Examine the cells under a fluorescent microscope.