

Living Colors® EGFP Monoclonal Antibody

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Catalog No.	Amount	Lot Number
632569	100 µl	Specified on product label.

Description

A monoclonal antibody produced by hybridoma cells raised against full-length EGFP (enhanced green fluorescent protein). This antibody recognizes native and denatured forms of EGFP, and destabilized EGFP variants.

Note: The EGFP monoclonal antibody also recognizes ECFP, EYFP, EBFP, wild-type GFP, GFPuv and AcGFP, in bacterial and mammalian cell lysates.

Recommended Applications & Suggested Dilutions

This antibody is recommended for Western blotting and immunoprecipitation.

- For Western blotting, we suggest using the antibody at a 1:1,000 to 1:8,000 dilution.
- For immunoprecipitation, we suggest you titrate the amount of antibody you need for quantitative recovery of the antigen. We recommend starting with a 1:50 to 1:100 dilution.

Package Contents

- 100 µl Living Colors EGFP Monoclonal Antibody

Storage Conditions

- -20°C
- Avoid repeated freeze/thaw cycles

Shelf Life

- 1 year from date of receipt under proper storage conditions.

Form

- Affinity-purified monoclonal antibody (mouse IgG2a isotype) in Phosphate Buffered Saline, pH 7.2, filter-sterilized

Concentration

- 1 mg/ml

Shipping Conditions

- Dry ice (-70°C)

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(PA124392)			

Quality Control Data

The quality and performance of this lot of Living Colors EGFP Antibody was tested by Western blot analysis using lysate made from a HEK 293 cell line stably expressing *Aequorea coerulea* GFP. After cells were collected and lysed using SDS sample buffer, the lysate (10 µl; equivalent to 35,000 cells) was electrophoresed on a 12% SDS-polyacrylamide gel and transferred to a nitrocellulose membrane. The blot was probed with the Living Colors EGFP Antibody (diluted 1:1,000), followed by a secondary goat anti-mouse antibody conjugated to horseradish peroxidase (HRP). The HRP signal was detected by chemiluminescence. A band of approximately 30 kDa corresponding to AcGFP1 was observed in the lane loaded with the AcGFP1 cell lysate. A band of this size was not detected in the lysate of untransfected HEK 293 cells.

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This document has been reviewed and approved by the Clontech Quality Assurance Department.

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