

Living Colors® A.v. Monoclonal Antibody (JL-8)

Catalog No.	Amount	Lot Number
632380	20 µl	Specified on product label.
632381	200 µl	

Description

A monoclonal antibody produced by hybridoma cells against full-length *Aequorea victoria* green fluorescent protein (GFP). This antibody recognizes native and denatured forms of wild-type GFP, GFPuv, AcGFP, EGFP, destabilized EGFP variants, EBFP, EYFP, ECFP, AcGFP, and both N- and C-terminal fusion proteins containing these GFP variants in bacterial and mammalian cell lysates.

Recommend 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 needed for quantitative recovery of the antigen. As a starting point, however, we recommend using the antibody at a 1:50 to 1:100 dilution. Analyze the immunoprecipitate by Western blotting with our Living Colors Full-Length GFP Polyclonal Antibody (Cat. Nos. 632592 & 632593).

Package Contents

- 1 tube Living Colors A.v. Monoclonal Antibody (JL-8)

Form

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

Concentration

- 1 mg/ml

Storage Conditions

- Store at -20°C.
- Avoid repeated freeze/thaw cycles.

Shelf Life

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

Shipping Conditions

- Dry ice (-70°C)

Clontech Laboratories, Inc.

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Certificate of Analysis

Cat. Nos. 632380 & 632381

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Product User Manuals

User manuals for Clontech® products are available for download at www.clontech.com/manuals.

The following user manual applies to this product:

- Antibodies Protocol Guide (PT3407-1)

Quality Control Data

The quality and performance of this lot of Living Colors A.v. Monoclonal Antibody (JL-8) was tested by Western blot analysis using lysate made from a HEK 293 cell line stably expressing AcGFP1. 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 A.v. Monoclonal Antibody, JL-8 (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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