

# Certificate of Analysis

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## Living Colors® ZsGreen Monoclonal Antibody

<b>Catalog No.</b> 632598	<b>Amount</b> 100 µl	<b>Lot Number</b> Specified on product label.
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### Description

The Living Colors ZsGreen Monoclonal Antibody was raised in mouse against recombinant full-length *Zoanthus sp.* green fluorescent protein (ZsGreen), and Protein A-purified. In Western blot applications, it specifically recognizes ZsGreen and does not cross-react with AcGFP1, AmCyan, ZsYellow, DsRed-Express, mCherry, tdTomato, Dendra2, or DsRed2.

### Recommended Applications & Suggested Dilution

- This antibody is recommended for Western blot analysis.
- For Western blot analysis, we suggest using the antibody at a 1:1,000 dilution

### Package Contents

- 1 tube containing 100 µl Living Colors ZsGreen Monoclonal Antibody

### Form

- 20% glycerol, 0.03% ProClin 300 in 1X phosphate-buffered saline (pH 7.2)

### Source

- Mouse (IgG1 isotype)

### Concentration

- 0.5 mg/ml

### Storage Conditions

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

### Expiration Date

- Specified on product label.

### Shipping Conditions

- Dry ice

### Product Documents

Documents for our products are available for download at [takarabio.com/manuals](http://takarabio.com/manuals)

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#### Takara Bio USA, Inc.

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## Quality Control Data

The quality and performance of this lot of Living Colors ZsGreen Monoclonal Antibody were tested by Western blot analysis. Lysates (10  $\mu$ l; equivalent to 35,000 cells) from untransfected HEK 293 cells and from HEK 293 cells transiently transfected with a CMV-driven expression vector encoding ZsGreen were resolved on a 12% SDS polyacrylamide gel and then transferred to a membrane certified for Western blot applications. The membrane was probed with the ZsGreen Monoclonal 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 specific band of approximately 25–35 kDa was observed in the lane loaded with the lysate of the transiently transfected HEK 293 cells expressing ZsGreen. No band in this molecular weight range was detected in the lysate of the untransfected HEK 293 cells.

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department.

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### CATALOG NO.

632598

### NOTICE TO PURCHASER:

Our products are to be used for **Research Use Only**. They may not be used for any other purpose, including, but not limited to, use in humans, therapeutic or diagnostic use, or commercial use of any kind. Our products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products or to provide a service to third parties without our prior written approval.

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1/16/2023