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PRODUCT: Living Colors® DsRed Monoclonal Antibody

CATALOG No.

632393

632392

AMOUNT

20 µl

200 µl

DESCRIPTION

A monoclonal antibody for the detection of *Discosoma* sp. red fluorescent protein (DsRed). This antibody recognizes denatured forms of wild-type DsRed and its variants, including DsRed1, DsRed2, and DsRed1-E5 (the Fluorescent Timer). The antibody binds DsRed1 and DsRed2 even when these proteins are expressed as fusions to other proteins. Both N- and C-terminal fusions are recognized. **The Living Colors® DsRed Monoclonal Antibody is recommended for Western blotting applications only.**

LOT NUMBER

Specified on product label.

STORAGE BUFFER

10 mM phosphate-buffered saline (pH 7.2);
150 mM NaCl; 20% (w/v) glycerol;
0.09% sodium azide

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

Blue ice (4°C) or dry ice (-70°C)

SOURCE AND CONCENTRATION

Mouse; 0.25 mg/ml

SUGGESTED DILUTION

A final dilution of 1:500 is recommended for Western blotting applications. Follow the Western Blotting protocol in the Protocol-at-a-Glance (PT3647-2) provided with this antibody.

PACKAGE CONTENTS

- 1 tube Living Colors DsRed Monoclonal Antibody

OTHER

- Living Colors DsRed Monoclonal Antibody Protocol-at-a-Glance (PT3647-2)

FOR RESEARCH USE ONLY

QUALITY CONTROL DATA

The quality and performance of this lot of antibody was tested by Western blot analysis using lysate made from a HEK 293 cell line stably expressing DsRed Express. 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 DsRed Monoclonal Antibody (diluted 1:500), followed by a secondary goat anti-mouse antibody conjugated to horseradish peroxidase (HRP). The HRP signal was detected by chemiluminescence. A band of approximately 29 kDa corresponding to DsRed Express was observed in the lane loaded with the DsRed Express cell lysate. A band of this size was not detected in the lysate of untransfected HEK 293 cells.

APPROVED BY: _____



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