

Guide-it™ Cas9 Monoclonal Antibody (Clone TG8C1)

Catalog No.

632628

Amount

100 µl

Lot Number

Specified on product label.

Description

A monoclonal antibody produced by hybridoma cells against full-length recombinant Cas9 protein from *Streptococcus pyogenes*. This antibody recognizes as little as 1 ng of wild-type Cas9 in bacterial and mammalian cell lysates by Western blot.

Package Contents

- 100 µg Guide-it Cas9 Monoclonal Antibody (Clone TG8C1)

Storage Conditions

- Store at -20°C

Shelf Life

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

Storage Buffer

- 1X PBS, 20% glycerol, 0.04% sodium azide, pH 7.2

Concentration

- 1 µg/µl

Recommended Applications & Suggested Dilutions

- This antibody is recommended for Western blotting and immunocytochemistry.
- For Western blotting, we suggest using the antibody at a 1:1,000 to 1:3,000 dilution.
- For immunocytochemistry, we suggest using the antibody at a 1:100 dilution.

Shipping Conditions

- Store at -20°C.

Product Documents

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

The following documents apply to this product:

- Antibodies Protocol Guide (PT3407-1)

Clontech Laboratories, Inc.

A Takara Bio Company

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Certificate of Analysis

Cat. No. 632628

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Quality Control Data

The quality and performance of this lot of Guide-it Cas9 Monoclonal Antibody (Clone TG8C1) was tested by Western blot analysis using 2, 3 and 5 ng of recombinant Cas9 protein. 10 µl of SDS sample buffer was added to each of the three samples together with recombinant Cas9, electrophoresed on a 7.5% SDS-polyacrylamide gel, and transferred to a nitrocellulose membrane. The blot was probed with the Guide-it Cas9 Monoclonal Antibody (Clone TG8C1) (diluted 1:3,000), followed by a secondary goat anti-mouse antibody conjugated to horseradish peroxidase (HRP). The HRP signal was detected by chemiluminescence. A band at approximately 160 kDa corresponding to Cas9 was observed in the lanes loaded with the recombinant Cas9 protein. Some lower molecular weight bands representing degradation products from the recombinant Cas9 protein were also observed.

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