DsRed2 (25): sc-101526

BACKGROUND
Plasmid vectors for the expression of coding regions of eukaryotic genes in bacterial, insect and mammalian hosts are of common usage; such expression vectors are frequently used to encode hybrid fusion proteins consisting of a eukaryotic target protein and a specialized region designed for fluorescent visualization. Common fluorescent tags include green fluorescent protein (GFP) and red fluorescent protein 2 (DsRed2), a variant of DsRed. DsRed2 exhibits high signal to noise ratio and distinct spectral properties, making it a useful fusion tag for various proteins.

REFERENCES

SOURCE
DsRed2 (25) is a mouse monoclonal antibody raised against a recombinant fragment corresponding to amino acids 21-245 of DsRed2 protein.

PRODUCT
Each vial contains 200 µg IgG, kappa light chain in 1.0 ml of PBS with <0.1% sodium azide and 0.1% gelatin.

DsRed2 (25) is available conjugated to agarose (sc-101526 AC), 500 µg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-101526 HRP), 200 µg/ml, for WB, IHCIP and ELISA; to either phycocyanin (sc-101526 PE), fluorescein (sc-101526 FITC), Alexa Fluor® 488 (sc-101526 AF488), Alexa Fluor® 546 (sc-101526 AF546), Alexa Fluor® 594 (sc-101526 AF594) or Alexa Fluor® 647 (sc-101526 AF647), 200 µg/ml, for WB (RGB), IF, IHCIP and FCM; and to either Alexa Fluor® 680 (sc-101526 AF680) or Alexa Fluor® 790 (sc-101526 AF790), 200 µg/ml, for Near-Infrared (NIR) WB, IF and FCM.

RESEARCH USE
For research use only, not for use in diagnostic procedures.

APPLICATIONS
DsRed2 (25) is recommended for detection of DsRed2 by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Molecular Weight of DsRed2: 25 kDa.

RECOMMENDED SUPPORT REAGENTS
To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgG BP-HRP: sc-516102 or m-IgG BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

DATA

SELECT PRODUCT CITATIONS

STORAGE
Store at 4°C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

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