

Red Fluorescence Protein (dsRed) Monoclonal Antibody

CATALOG #:	3994-100
AMOUNT:	100 µg
LOT #:	_____
HOST:	Mouse IgG1 (Clone# BV-F9)
IMMUNOGEN:	Recombinant Red Fluorescence Protein (dsRed) expressed from E. coli (Cat.# 4997-100)
SPECIES:	All

FORMULATION:

100 µg (0.5 mg/ml) antigen affinity purified mouse anti-RFP monoclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

BACKGROUND:

Since the molecular cloning of GFP cDNA and demonstration of GFP as a functional transgene, GFP has become a powerful tool with exciting applications in developmental, cell and molecular biology. RFP is the recent discovered protein that has the similar function and applications as GFP. Either GFP or RFP fluorescence is not species specific and can be expressed in bacteria, yeast, plant and mammalian cells. GFP or RFP can fuse with proteins of interest without interfering significantly with their assembly and function.

SPECIFICITY:

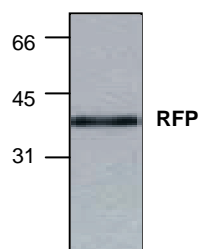
The antibody reacts with RFP. Recombinant RFP (Cat.# 4997-100) can be used as a positive control.

APPLICATION AND USAGE:

The antibody can be used for Western blotting (0.5-4 µg/ml), immunofluorescence (10-20 µg/ml) and immunohistochemistry (10-20 µg/ml). However, the optimal conditions should be determined individually.

STORAGE CONDITIONS:

Store at -20°C. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.



Cat.# 3994-100
Western blot analysis of RFP expression in 293 cells transfected with a RFP-fusion construct.

RELATED PRODUCTS:

Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

Signal Transduction

- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

Adipocyte & Lipid Transfer

- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

Molecular Biology & Reporter Assays

- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β-Galactosidase Staining Kit & Luciferase Reporter Assay Kit

Growth Factors and Cytokines

Monoclonal and Polyclonal Antibodies