bsm-33019M

[Primary Antibody]



www.bioss.com.cn sales@bioss.com.cn techsupport@bioss.com.cn 400-901-9800

GFP Mouse mAb

- DATASHEET -

Host: Mouse Isotype: IgG
Clonality: Monoclonal CloneNo.: 4G6

Target: GFP

Purification: affinity purified by Protein G

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

Background: Green fluorescence protein (GFP) is a 27 kDa protein derived from

the jellyfish Aequorea victoria, which emits green light (emission peak at a wavelenth of 509 nm) when excited by blue light (excitation peak at a wavelenth of 395 nm). Green Fluorescent Protein (GFP) has become an invaluable tool in cell biology research, since its intrinsic fluorescence can be visualized in living cells. GFP fluorescence is stable under fixation conditions and suitable for a variety of applications. GFP has been widely used as a reporter for gene expression, enabling researchers to visualize and localize GFP-tagged proteins within living cells without the need for chemical staining. Other applications of GFP include assessment of protein protein interactions through the yeast two hybrid system and measurement of distance between proteins through fluorescence energy transfer (FRET) protocols. GFP technnology has considerably contributed to a greater

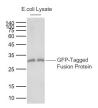
understanding of cellular physiology.

Applications: WB (1:50000-500000)

IHC-P (1:200-1000)
IHC-F (1:200-1000)
IF (1:200-1000)
Flow-Cyt (1ug/Test)
ICC/IF (1:100-500)
ELISA (1:1000-5000)

Reactivity: Species independent

- VALIDATION IMAGES -



Sample: GFP-tagged fusion protein
Overexpression E.coli Lysate (Cat#: bs-33009P)
at 4 ug Primary: Anti-GFP-Tag (bsm-33019M) at
1/1000000 dilution Secondary: IRDye800CW Goat
Anti-Mouse IgG at 1/20000 dilution Predicted
band size: 28 kD Observed band size: 30 kD



Transformed (GFP or EV) E. coli cells lysates were subjected to SDS-PAGE followed by WB with bsm-33019M (Anti-GFP) at dilution of 1:1,000,000 incubated at 4°C overnight.

- SELECTED CITATIONS -

- [IF=6.2] Wenzhao Wang. et al. The auxin-responsive CsSPL9-CsGH3.4 module finely regulates auxin levels to suppress the development of adventitious roots in tea (Camellia sinensis). PLANT J. 2024 Jul;: WB ;Arabidopsis thaliana,Shaancha 1 tea,Zhongcha108 tea. 39012276
- [IF=3.7] Chenglong Rao. et al. Burkholderia pseudomallei BopE suppresses the Rab32-dependent defense pathway to promote its intracellular replication and virulence. MSPHERE. 2024 Oct 21 WB; Human. 39431830