

GFP Mouse mAb

GFP Mouse mAb
Catalog # AP94085

Product Information

Application	WB, IHC-P, IHC-F, IF, IP
Host	Mouse
Clonality	Monoclonal
Physical State	Liquid
Immunogen	Recombinant Green Fluorescence Protein
Isotype	IgG
Purity	affinity purified by Protein G
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Green fluorescence protein (GFP) is a 27 kDa protein derived from the jellyfish <i>Aequorea victoria</i> , which emits green light (emission peak at a wavelength of 509 nm) when excited by blue light (excitation peak at a wavelength 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 technology has considerably contributed to a greater understanding of cellular physiology.

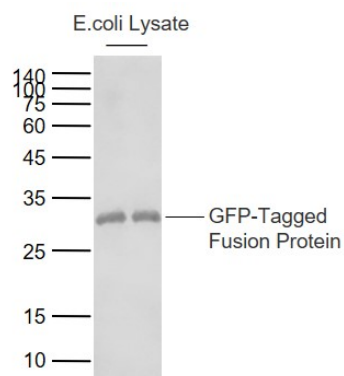
Additional Information

Dilution	WB=1:50000-500000,ELISA=1:1000-5000,IHC-P=1:200-1000,IHC-F=1:200-1000,IF=1:200-1000,ICC/IF=1:100-500,Flow-Cyt=1ug/Test,IP=1:50-200
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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Images



Sample:

GFP-tagged fusion protein Overexpression E.coli Lysate
(Cat#: AP94085) at 4 ug

Primary:

Anti-GFP-Tag (AP94085) at 1/1000000 dilution

Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution

Predicted band size: 28 kD

Observed band size: 30 kD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.