

GFP-Tag mouse monoclonal antibody

Catalog: AP1021M

Host: Mouse

Reactivity: Transfected

BackGround:

Green fluorescent protein (GFP) is a 27 a protein derived from the jellyfish Aequorea victoria, 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). 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.

Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

N/A

Swiss-Prot:

N/A

Purification&Purity:

The antibody was affinity-purified from cell culture supernatant by protein A+G and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:20000~1:100000

IHC: 1:50~1:200

IP: 1:50~1:200

Storage&Stability:

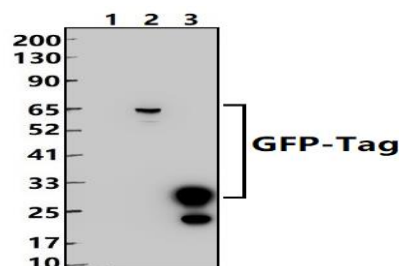
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

Specificity:

GFP-tag mAb detects over-expressed or recombinant proteins containing the GFP epitope tag.

DATA:

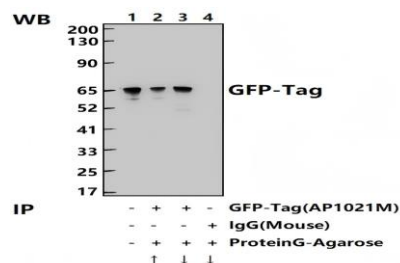


Western blot (WB) analysis of GFP-tag mAb at 1:100000 dilution

Lane1:HEK293F whole cell lysate

Lane2:HEK293F whole cell lysate,transfected (N-GFP)

Lane3:HEK293F whole cell lysate,transfected (GFP)



Immunoprecipitation of transfected HEK293F using GFP-Tag mAb

(Sephacose Bead Conjugate) #BD0048 (lane 2 and lane 3) and Nonspecific IgG Control (Sephacose Bead Conjugate) #BD0048 (lane 4). Lane 1 is 30% input. The western blot was probed using GFP-Tag mAb.

“↑” (supernatant); “↓” (deposition)

Note:

For research use only, not for use in diagnostic procedure.

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