

GFP-tag (3A10) monoclonal antibody-HRP

Catalog: AP0675MH

Host: Mouse

Reactivity: All

Background:

Green fluorescent protein (GFP) is a 27 kDa 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:

Antibodies were immunoaffinity purified using the peptide conjugated to a solid-phase support and conjugated to horseradish peroxidase. The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB:1:5000~1:10000

Storage&Stability:

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

term. Avoid freeze-thaw cycles.

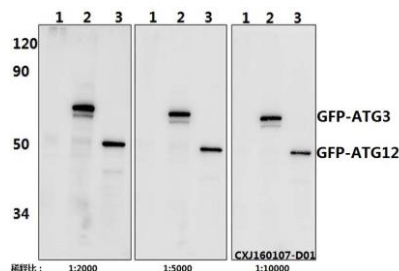
Specificity:

GFP-tag (3A10) mAb-HRP detects over-expressed or recombinant proteins containing the GFP epitope tag.

DATA:



Western blot (WB) analysis of over-expressed GFP-tagged protein in HEK293T cell lysate, the antibody dilutions are 1:5000 (lane 1) and 1:10000 (lane 2). Each lane was loaded with 30 µg of cell lysate.



Western blot (WB) analysis of GFP-tag (3A10) mAb-HRP at 1:2000/1:5000/1:10000 dilution

Lane1:HEK293T whole cell lysate

Lane2:HEK293T whole cell lysate,transfected with pEGFP-C3-ATG3.

Lane3:HEK293T whole cell lysate,transfected with pEGFP-C3-ATG12.

Note:

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

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