

## GFP Tag monoclonal antibody

Catalog: MB21122

Host: Mouse

Reactivity: Tag

### BackGround:

GFP (Green fluorescence protein) is a 27 kDa protein derived from the jellyfish *Aequorea victoria*, which emits green light when excited by blue light. GFP cDNA produces a fluorescent product when expressed in prokaryotic cells, without the need for exogenous substrates or cofactors. 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.

### Product:

Purified antibody in PBS with 0.05% sodium azide

### Molecular Weight:

27kDa

### Swiss-Prot:

P42212

### Purification&Purity:

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:1/500-1/1000 IHC:1/200 - 1/1000 IF:1/100-1/200

FC:1/200 - 1/400

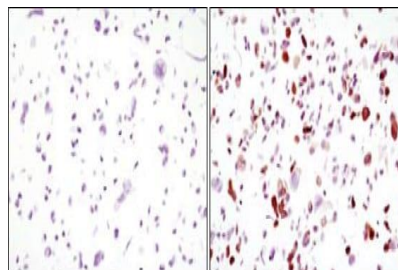
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

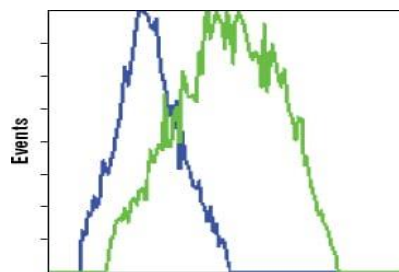
### Isotype:

Mouse IgG2a

### DATA:



Immunocytochemistry analysis of HCC827 cells, untransfected (left) or transfected with GFP (right) using GFP mouse mAb.



Flow cytometric analysis of HCC827 cells, untransfected (blue) or transfected with GFP (green), using GFP mouse mAb.

### Note:

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

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