

Product Name: GFP Tag Mouse Monoclonal Antibody
Catalog #: AMM80601



Summary

Production Name	GFP Tag Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB,IHC,ICC,FC,ELISA
Reactivity	Tag

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2a
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Immunogen

Gene Name	GFP Tag
Alternative Names	GFP Tag
Gene ID	
SwissProt ID	P42212.Purified recombinant fragment of GFP expressed in E. Coli.

Application

Dilution Ratio	WB:1:500-1:1000,IHC:1:200-1:1000,ICC:1:100-1:200,FC:1:200-1:400,ELISA:1:10000
Molecular Weight	27kDa

Background

GFP (Green fluorescence protein) is a 27 kDa protein derived from the jellyfish *Aequorea victoria*, which emits green light

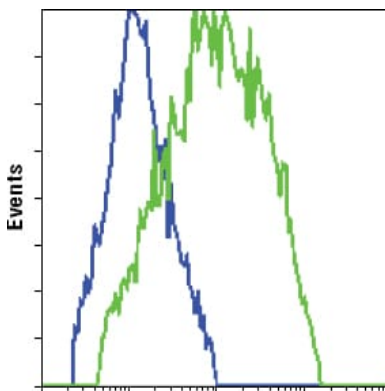
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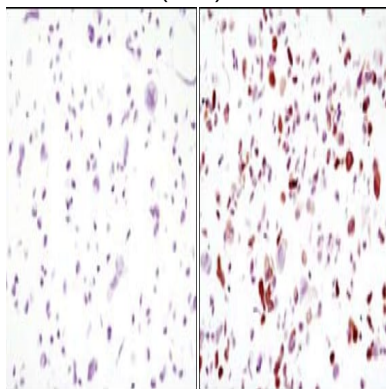
when excited by blue light. GFP cDNA produces a fluorescent product when expressed in prokaryotic cells, without the need for exogenous substrates or cofactors. GFP has become an invaluable tool in cell biology research, since its intrinsic fluorescence can be visualized in living cells. GFP fluorescence 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.

Research Area

Image Data



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



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

Note

For research use only.