

GFP Mouse Monoclonal Antibody

Catalog #: EAB10141

| Host/Isotype | Clonality | Applications | MW (kDa) | Reactivity |
|--------------|------------|----------------|----------|------------|
| Rabbit IgG | Polyclonal | WB, IP, IF/ICC | N/A | N/A |

Applications Dilutions

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| | |
|--|--------------|
| WB (Western Blotting) | 1:5000-20000 |
| IP (Immunoprecipitation) | 1:100-500 |
| IF/ICC (Immunofluorescence/Immunocytochemistry) | 1:100-500 |

Product Information

| | |
|-----------------------|---|
| Conjugate | Unconjugate |
| Specificity | GFP Mouse Monoclonal Antibody detects endogenous levels of GFP protein. |
| Purification | Affinity purification |
| Concentration | 1mg/ml |
| Format | Liquid |
| Formulation | In PBS, pH 7.4, Containing 0.02% sodium azide, 0.5% BSA and 50% Glycerol |
| Shipping | Gel Pack |
| Storage | Store at -20°C least 1 year from the date of shipment. Avoid repeated freeze/thaw cycles. Aliquots may be stored at +4°C for 1-2 weeks |
| UniProt ID | P42212 |
| Entrez-Gene Id | |

Product Description

Green fluorescence protein (GFP) is a 27 kDa protein derived from the jellyfish *Aequorea victoria*, which emits green light (emission peak at a wavelenth of 509 nm) when excited by blue light (excitation peak at a wavelenth 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 technnnology has considerably contributed to a greater understanding of cellular physiology.

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