

Mouse Monoclonal Antibody to GFP

Catalogue Number	sAP-0117
Target Molecule	Name: GFP Aliases: N/A MW: 27kDa Entrez Gene ID: N/A
Description	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
Immunogen	Purified recombinant fragment of GFP expressed in E. Coli.
Reactive Species	N/A
Clone	MM4B10B2;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Purified antibody in PBS containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Proc Natl Acad Sci U S A. 2006, Jul 25,103(30):11399-404. ; 2. Gene Expr Patterns. 2007, Jan,7(1-2):124-30. ; 3. Eur J Cell Biol. 2006, Sep,85(9-10):1059-68. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**