

Product Data Sheet

GFP-Tag Monoclonal Antibody

Catalog Number: ORF.GFPMAB-50

Product Details			
Product Name	GFP-Tag Monoclonal Antibody		
Catalog Number	ORF.GFPMAB-50		
Size	50 μL		
Concentration	1 mg/mL		
Clonality	Monoclonal		
Source	Mouse		
Isotype	IgG		
Purification	The antibody was purified by immunogen affinity chromatography.		

Product Description	Product Image	
Green Fluorescent Protein (GFP) is a naturally occurring protein from the jellyfish Aequorea victoria that emits bright green light during bioluminescence. Widely used as a reporter and protein tag in both eukaryotic and prokaryotic systems, GFP enables direct visualization of gene expression, protein localization, and dynamic cellular processes in living cells and organisms.	kDa 200 140	
As a 27 kDa monomeric protein, GFP autocatalytically forms its fluorescent chromophore without the need for additional proteins, substrates, or cofactors. The wild-type protein absorbs blue light (peak at ~395 nm) and emits green light (peak at ~508 nm), with fluorescence that is highly stable, species-independent, and suitable for a variety of imaging applications.	100 80 60 —	
GFP fusion tagging allows researchers to:	50 40	
 Track protein localization and trafficking in live cells. Study subcellular compartment dynamics. Monitor gene expression patterns. 	30 20	
 Investigate protein-protein interactions (e.g., yeast two-hybrid system). Measure molecular proximity via Förster Resonance Energy Transfer (FRET) assays. 		

For research applications only. Not for diagnostic or therapeutic use.

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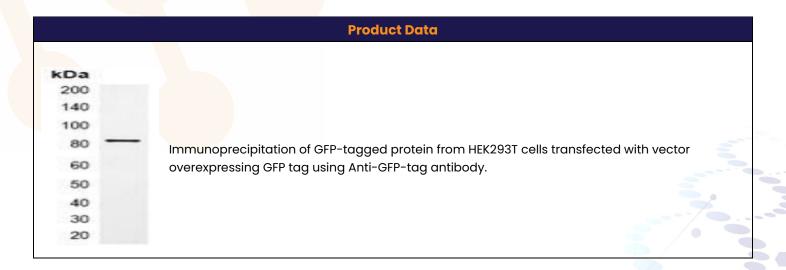
ORF Biologics 1110 Tall Grass Ave. Tiffin, IA 52340 orfbiologics.com contact@orfbiologics.com



This monoclonal antibody specifically recognizes the GFP epitope, providing sensitive and specific detection in applications such as Western blotting, immunoprecipitation, immunofluorescence, and ELISA. It is suitable for detecting both native and denatured GFP and its common variants, ensuring consistent performance in research workflows.

Product Specifications and Product Specific Information		
Applications	WB: 1:2000 – 1:5000 IP: 1:100 – 1:200	
Reactivity	N/A	
Specificity	Recognizes RFP, YFP, CFP	
Immunogen	Recombinant protein corresponding to GFP-tag	
Description	Mouse monoclonal antibody to GFP-tag	
Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.	

Storage and Stability					
	Temperature	Storage Time			
Short Term	4°C	1 month			
Long Term	-20°C	12 months			
Avoid repeated freeze-thaw cycles.					



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