

For Research Use Only

# GFP tag Monoclonal antibody

Catalog Number: 66002-1-Ig **532 Publications**



## Basic Information

<b>Catalog Number:</b> 66002-1-Ig	<b>GenBank Accession Number:</b> M62653	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 2000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> Full Name:	<b>CloneNo.:</b> 1E10H7
<b>Source:</b> Mouse	<b>Calculated MW:</b> 26 kDa	<b>Recommended Dilutions:</b> WB 1:20000-1:100000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IF/ICC 1:400-1:1600
<b>Isotype:</b> IgG2a		
<b>Immunogen Catalog Number:</b> AG2128		

## Applications

<b>Tested Applications:</b> WB, IF/ICC, IP, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB, IHC, IF, IP, CoIP, ChIP, RIP, ELISA	<b>WB :</b> GFP transgenic mouse brain tissue, Recombinant protein
<b>Species Specificity:</b> recombinant protein	<b>IP :</b> Transfected HEK-293T cells,
<b>Cited Species:</b> human, mouse, pig	<b>IF/ICC :</b> Transfected HEK-293 cells,

## Background Information

Green Fluorescent Proteins (GFPs) encompass a diverse range of proteins carrying a green chromophore, originating from various species and forming different protein lineages. Wildtype GFP consists of 238 amino acid residues (26.9 kDa). GFP was first identified in the jellyfish *Aequorea victoria*. It emits green light with a peak wavelength of 509 nm upon excitation by blue light at 395 nm. When fused with other proteins, GFP serves as a versatile reporter protein e.g. for quantifying expression levels or facilitates visualization of subcellular localization through fluorescence microscopy. This antibody is a mouse (IgG2a) monoclonal antibody against GFP reactive to GFP, eGFP, eYFP, YFP and CFP.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yueke Lin	36178239	EMBO Rep	IP
Yajie Chen	31570706	Cell Death Dis	
Po-Hsun Wang	31632419	Front Plant Sci	

## Storage

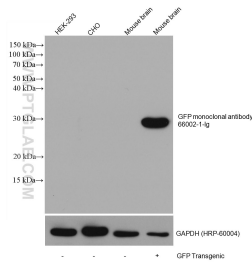
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

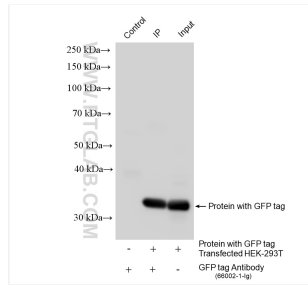
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

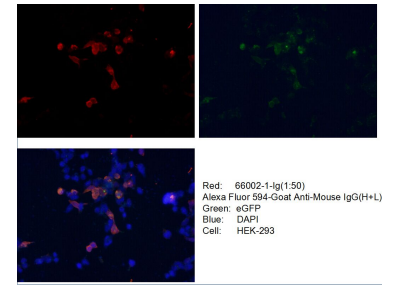
## Selected Validation Data



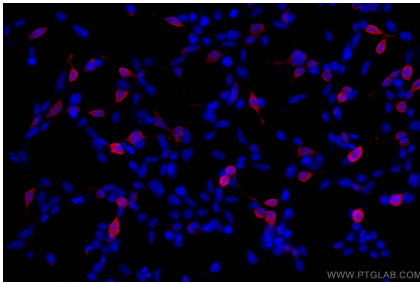
HEK293 cells, CHO cells, normal mouse brain and GFP transgenic mouse brain were subjected to SDS PAGE followed by western blot with 66002-1-Ig (GFP tag antibody) at dilution of 1:200000 incubated at room temperature for 1.5 hours.



IP result of anti-GFP tag (IP:66002-1-Ig, 4ug; Detection:66002-1-Ig 1:10000) with Transfected HEK-293T cells lysate 400 ug.



Immunofluorescent analysis of Transfected HEK-293 cells using 66002-1-Ig (GFP tag antibody) at dilution of 1:50 and Alexa Fluor 594-conjugated AffiniPure Goat Anti-Mouse IgG (H+L).



Immunofluorescent analysis of (-20°C Ethanol) fixed Transfected HEK-293 cells using GFP tag antibody (66002-1-Ig, Clone: 1E10H7) at dilution of 1:800 and CoraLite@594-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-3).