

GFP tag Monoclonal antibody

Catalog Number: 66002-1-Ig 423 Publications

Basic Information

Catalog Number:

66002-1-Ig

Size:

2000 µg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG2128

GenBank Accession Number:

U73901

GeneID (NCBI):

Full Name:

Calculated MW:

26 kDa

Purification Method:

Protein A purification

CloneNo.:

1E10H7

Recommended Dilutions:

WB 1:20000-1:100000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IF 1:20-1:200

Applications

Tested Applications:

WB, IP, IF/ICC, FC, ELISA

Cited Applications:

WB, IP, IF, FC, RIP, IHC, CoIP, ChIP, ELISA

Species Specificity:

recombinant protein

Cited Species:

human, rat, mouse, zebrafish, pig

Positive Controls:

WB : GFP transgenic mouse brain tissue, Recombinant protein

IP : Transfected HEK-293 cells,

IF : 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

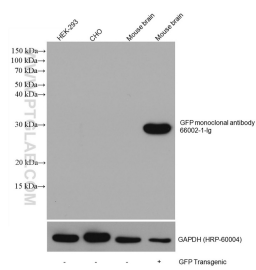
For technical support and original validation data for this product please contact:

T: 4006900926

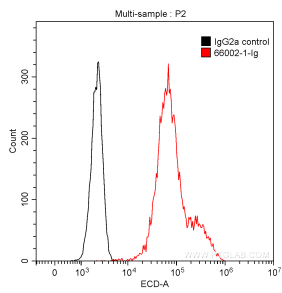
E: Proteintech-CN@ptglab.comW: ptgcn.com

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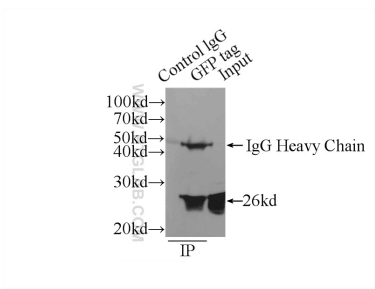
Selected Validation Data



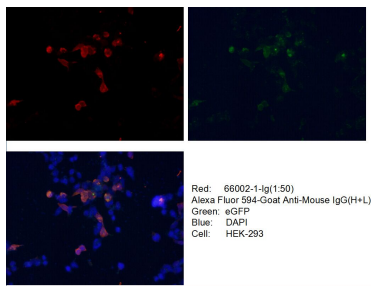
HEK293 cells, CHO cells, normal mouse brain and GFP transgenic mouse brain were subjected to SDS PAGE followed by western blot with 66002-1-Ig (GFP tag antibody) at dilution of 1:200000 incubated at room temperature for 1.5 hours.



1X10⁶ Transfected HEK-293 cells were stained with 0.2 ug Anti-GFP tag (66002-1-Ig, Clone:1E10H7) and CoraLite®594-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), and 0.2 ug Control Antibody. Cells were fixed with 90% MeOH.



IP result of anti-GFP tag (IP:66002-1-Ig, 4ug; Detection:66002-1-Ig 1:2000) with the vector plasmid pEGFP-N1 Transfected HEK-293 cells lysate 300ug.



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).