

For Research Use Only

Aequorea victoria GFP tag Monoclonal antibody, PBS Only

Catalog Number: 66002-1-PBS



Basic Information

Catalog Number:

66002-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG2128

GenBank Accession Number:

M62653

GeneID (NCBI):

Full Name:

Calculated MW:

26 kDa

Purification Method:

Protein A purification

CloneNo.:

1E10H7

Applications

Tested Applications:

WB, IF/ICC, IP, ELISA

Species Specificity:

recombinant protein

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.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

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

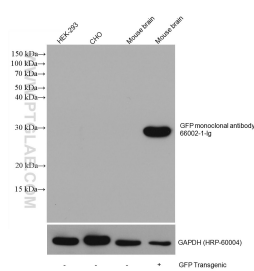
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com

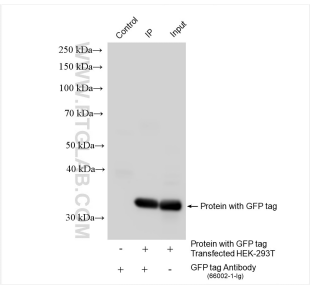
W: ptglab.com

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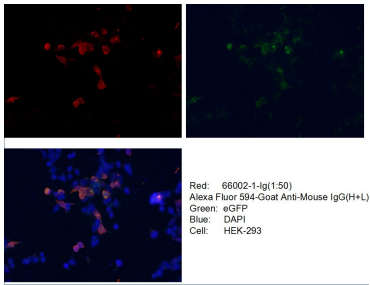
Selected Validation Data



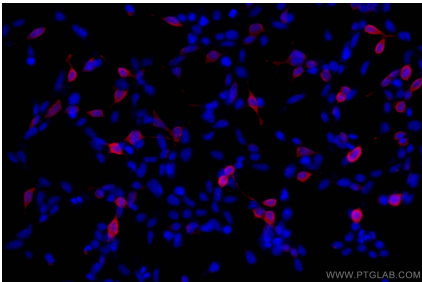
HEK293 cells, CHO cells, normal mouse brain and GFP transgenic mouse brain were subjected to SDS PAGE followed by western blot with 66002-1-Ig (GFP tag antibody) at dilution of 1:200000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66002-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 66002-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66002-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66002-1-PBS in a different storage buffer formulation.