

For Research Use Only

CoraLite® Plus 488-conjugated GFP tag Monoclonal antibody

Catalog Number:CL488-66002



Basic Information

Catalog Number:

CL488-66002

Size:

1000 ug/ml

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

Recommended Dilutions:

WB 1:2000-1:10000

IF/ICC 1:50-1:500

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

WB, IF/ICC

Species Specificity:

recombinant protein

Positive Controls:

WB : Recombinant protein,

IF/ICC : 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. This antibody is labeled with CoraLite Plus 488.

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

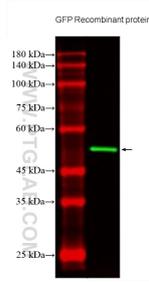
T: 4006900926

E: Proteintech-CN@ptglab.com

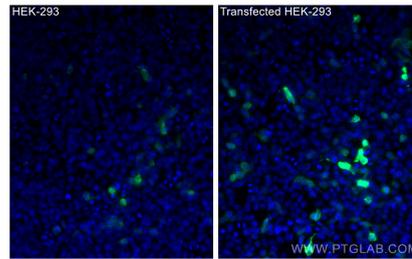
W: ptgcn.com

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

Selected Validation Data



Recombinant protein were subjected to SDS PAGE followed by western blot with CL488-66002 (GFP tag antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed Transfected HEK-293 cells using CoraLite® Plus 488 GFP tag antibody (CL488-66002, Clone: 1E10H7) at dilution of 1:200.