For Research Use Only

CoraLite® Plus 647-conjugated GFP tag Monoclonal antibody

Catalog Number:CL647-66002

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
CL647-66002

Source:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG2128

GenBank Accession Number:
M62653

GeneID (NCBI):

UNIPROT ID:
P42212

Full Name:

Calculated MW:
26 kDa

Purification Method:
Protein A purification

CloneNo.:
1E10H7

Recommended Dilutions:
IF/ICC: 1:50-1:500
FC (Intra): 0.4 ug per 10^6 cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:
654 nm / 674 nm

Applications

Tested Applications:
IF/ICC, FC (Intra)

Species Specificity:
recombinant protein

Positive Controls:

IF/ICC : Transfected HEK-293 cells,

FC (Intra) : Transfected HEK-293T 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 647.

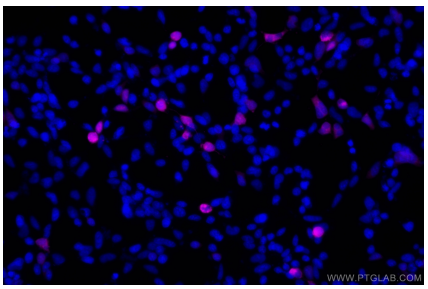
Storage

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, pH7.3
Aliquoting is unnecessary for -20°C storage

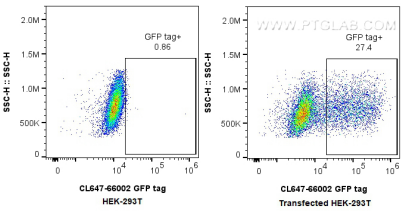
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed Transfected HEK-293 cells using CoraLite® Plus 647 GFP tag antibody (CL647-66002, Clone: 1E10H7) at dilution of 1:200.



1x10^6 Transfected HEK-293T cells were intracellularly stained with 0.4 ug CoraLite® Plus 647-conjugated GFP tag Monoclonal antibody (CL647-66002, Clone:1E10H7), and 0.4 ug CoraLite® Plus 647 Mouse IgG2a isotype control (11A1B2) (CL647-66360-2, Clone: 11A1B2). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.