

For Research Use Only

GFP tag Recombinant antibody

Catalog Number: 81835-2-RR



Basic Information

Catalog Number:

81835-2-RR

Size:

1000 μ g/ml

Source:

Rabbit

Isotype:

IgG

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.:

241614B3

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:125-1:500

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

aequorea victoria, recombinant protein

Positive Controls:

WB : Recombinant protein, Transfected HEK-293 cells

IF/ICC : Transfected COS-7,

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 generated against the full-length eGFP protein. It exhibits reactivity towards variants of *Aequorea victoria* GFP, including S65T-GFP, RS-GFP, YFP, CFP, and eGFP.

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:

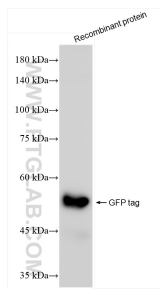
T: 4006900926

E: Proteintech-CN@ptglab.com

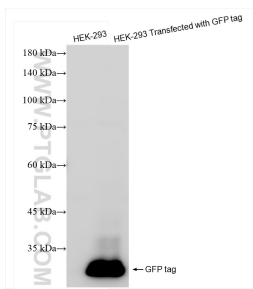
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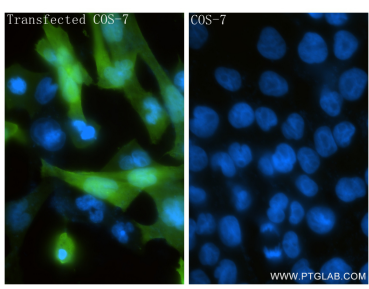
Selected Validation Data



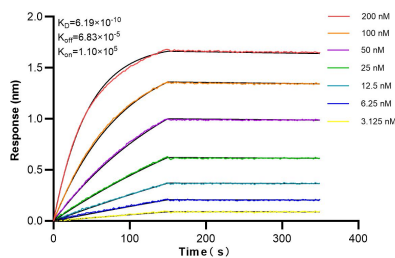
Recombinant protein were subjected to SDS PAGE followed by western blot with 81835-2-RR (GFP tag antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Transfected HEK-293 cells were subjected to SDS PAGE followed by western blot with 81835-2-RR (GFP tag antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed Transfected COS-7 cells using GFP tag antibody (81835-2-RR, Clone: 241614B3) at dilution of 1:250 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 81835-2-RR against Aequorea victoria GFP tag were performed. The affinity constant is 0.619 nM.