

## Anti-GFP Antibody (2A799)

### Product Details

Ig Type:	IgG
Reactivity:	Species independent
Molecular Weight:	Actual: 28-30 kDa.
Clone:	2A799
Purification:	Protein G purified

### Applications

1. Transformed (GFP or EV) E. coli cells lysates were subjected to SDS-PAGE followed by WB with TMAB-00764 (Anti-GFP) at dilution of 1:1,000,000 incubated at 4°C overnight.

2. Sample:

GFP-tagged fusion protein Overexpression E.coli Lysate at 4 µg

Primary:

Anti-GFP-Tag (TMAB-00764) at 1/1000000 dilution

Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution

Verified Activity:

Predicted band size: 28 kDa

Observed band size: 30 kDa

3. Sample:

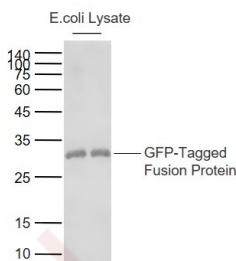
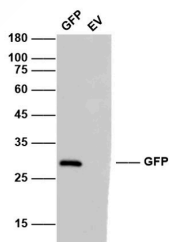
GFP-Tagged Fusion Protein Overexpression E.coli Lysate at 2 µg

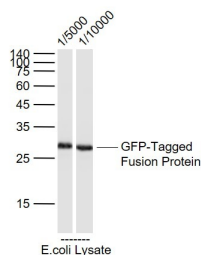
Primary: Anti-GST tag (TMAB-00764) at 1/5000 ~ 1/10000 dilution

Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution

Predicted band size: 28 kDa

Observed band size: 28 kDa





Application: WB,ELISA,IHC-P,IHC-F,IF,ICC/IF,FCM,IP

Recommended WB=1:50000-500000,ELISA=1:1000-5000,IHC-P=1:200-1000,IHC-F=1:200-1000,IF=1:200-1000,ICC/IF=1:100-500,FCM=1ug/Test,IP=1:50-200

### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

### Antigen Details

Immunogen: Recombinant Protein: Green Fluorescence Protein

Synonyms: GFP Protein

Biology Area: GFP

### Research Background

Green fluorescence protein (GFP) is a 27 kDa protein derived from the jellyfish *Aequorea victoria*, which emits green light (emission peak at a wavelength of 509 nm) when excited by blue light (excitation peak at a wavelength of 395 nm). Green Fluorescent Protein (GFP) has become an invaluable tool in cell biology research, since its intrinsic fluorescence can be visualized in living cells. GFP fluorescence is stable under fixation conditions and suitable for a variety of applications. GFP has been widely used as a reporter for gene expression, enabling researchers to visualize and localize GFP-tagged proteins within living cells without the need for chemical staining. Other applications of GFP include assessment of protein-protein interactions through the yeast two hybrid system and measurement of distance between proteins through fluorescence energy transfer (FRET) protocols. GFP technology has considerably contributed to a greater understanding of cellular physiology.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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