

anti- GFP tag antibody

Product Information

Catalog No.:	FNab03434
Size:	100µg
Form:	liquid
Purification:	Protein A+G purification
Purity:	≥95% as determined by SDS-PAGE
Host:	Mouse
Clonality:	monoclonal
Clone ID:	0D8
IsoType:	IgG1
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Background

Green fluorescence protein(GFP) is a protein composed of 238 amino acid residues(26.9kDa) derived from the Jellyfish *Aequorea victoria*, which emits green light(emission peak at 509nm) when excited by blue light(excitation peak at 395nm). GFP has become an invaluable tool in cell biology research, since its intrinsic fluorescence can be visualized in living cells. In contrast to wtGFP, EGFP has a single, strong, red-shifted excitation peak at 488nm. GFPmut1 fluoresces 35-fold more intensely than wtGFP when excited at 488nm, due to an increase in its extinction coefficient(Em). This antibody is a rabbit polyclonal antibody raised against full-length eGFP and reactive against all variants of *Aequorea victoria* GFP such as S65T-GFP, RS-GFP, YFP, CFP and eGFP. Note: Do not add Azium(Sodium Azide or Smite) into the dilution buffer. Azium is the HRP inhibitor which decreases the enzyme activity of HRP.

Immunogen information

Immunogen:	GFP tag
Synonyms:	CFP, eGFP, eYFP, GFP, GFP tag, YFP
Observed MW:	30 kDa
Uniprot ID :	None

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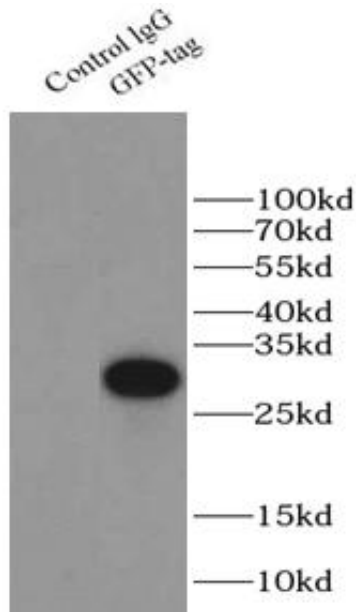
Application

Reactivity: Recombinant protein, Human

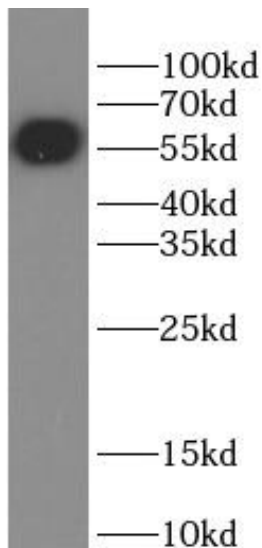
Tested Application: ELISA, WB, IP, IF

Recommended dilution: WB: 1:2000-1:16000; IP: 1:1000-1:4000; IF: 1:20-1:200

Image:



IP Result of anti-GFP tag (IP: FNab03434, 4ug;
Detection: FNab03434 1:2000) with Transfected
HEK-293 cells lysate 300ug.



eGFP-tagged fusion protein were subjected to SDS
PAGE followed by western blot with
FNab03434(GFP antibody) at dilution of 1:10000