

## Anti-GFP Antibody (1V694)

### Product Details

Ig Type:	Rabbit IgG
Reactivity:	Aequorea victoria
Conjugation:	Unconjugated
Clone:	1V694
Purification:	Protein A

### Applications

#### Verified Activity:

1. Anti-GFP Tag was immunoprecipitated using:
  - Lane A: GFP transfected E.coli cell lysate (0.5mg)
  - Lane B: GFP transfected 293 cell lysate (0.5mg)
  - Anti-GFP Tag mouse monoclonal antibody at 1/500-1/2000 dilution and 60µg of Immunomagnetic beads Protein G.
  - Primary antibody:
    - Anti-GFP Tag rabbit monoclonal antibody, at 1/1000-1/5000 dilution
    - Secondary
      - Goat Anti-Mouse IgG H&L (Dylight800) at 1/10000 dilution.
  - Developed using the Odyssey technique.
  - Performed under reducing conditions.
2. Anti-GFP rabbit monoclonal antibody at 1:500 dilution.
  - Lane A: GFP transfected E.coli lysate (5ug)
  - Lane B: GFP transfected 293 Cell lysate (30ug)
  - Lane C: Non-transfected 293 Cells lysate (30ug)
  - Secondary
    - Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.
  - Developed using the Odyssey technique.
  - Performed under reducing conditions.
  - Predicted band size:27 kDa.
  - Observed band size:27 kDa.
3. Anti-GFP rabbit monoclonal antibody at 1:1000 dilution.
  - Sample: Recombinant Protein 10 ng
  - Lane 1: Aequorea victoria GFP Protein (His Tag)
  - Lane 2: EGFP / Enhanced Green Fluorescent Protein (His Tag)
  - Lane 3: Aequorea victoria Green fluorescent protein /enhanced GFP GFPSparkTM
  - Secondary
    - Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.
  - Developed using the ECL technique.
  - Performed under reducing conditions.
4. GFP was immunoprecipitated using:
  - Lane A:0.5 mg pCMV3-untagged Negative Control Vector
  - Lane B:0.5 mg pCMV3-C-GFPSpark Vector
  - Lane C:0.5 mg pCMV3-N-GFPSpark Vector
  - 4 µL anti- GFP rabbit monoclonal antibody and 60 µg of Immunomagnetic beads Protein A/G.
  - Primary antibody:

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- Anti- GFP rabbit monoclonal antibody, at 1:100 dilution.
- Secondary antibody:
- Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.
- Developed using the ECL technique.
- Performed under reducing conditions.

Application: ELISA,IP,WB

Recommended WB: 1:1000-1:5000; ELISA: 1:10000-1:20000; IP: 1-5 µl/mg of lysate

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### Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.

Shipping: Shipping with blue ice.

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### Antigen Details

Immunogen: Recombinant Protein: Aequorea victoria GFP protein (TMPY-02451)

Antigen Species: Aequorea victoria

Synonyms: GFP Protein

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### Research Background

Green fluorescent protein (GFP tag) is a ~27 kDa protein consisting of 238 amino acids derived from jellyfish Aequorea Victoria. GFP exhibits bright green fluorescent light when exposed to blue light. It has been used widely as a reporter protein for gene expression in eukaryotic and prokaryotic organisms, and as a protein tag in cell culture and multicellular organisms. Anti GFP-tag antibodies are often used in biological research and related fields. GFP tag antibodies are also often used to study the expression of proteins and the interaction between proteins and proteins.

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