

# Affinity Gel-conjugated Rabbit anti GFP-Tag mAb {Anti-GFP Affinity Gel}

Catalog No.: AE119 1 Publications

## **Basic Information**

### **Observed MW**

68kDa

#### **Calculated MW**

## Category

Tag antibody

## **Applications**

IΡ

#### **Cross-Reactivity**

Species independent

#### CloneNo number

ARC50813

# Conjugate

Affinity Gel

# **Background**

The green fluorescent protein (GFP) is a protein composed of 238 amino acid residues (26.9 kDa) that exhibits bright green fluorescence when exposed to light in the blue to ultraviolet range. Although many other marine organisms have similar green fluorescent proteins, GFP traditionally refers to the protein first isolated from the jellyfish Aequorea victoria. The GFP from A. victoria has a major excitation peak at a wavelength of 395 nm and a minor one at 475 nm. Its emission peak is at 509 nm, which is in the lower green portion of the visible spectrum. The fluorescence quantum yield (QY) of GFP is 0.79. The GFP from the sea pansy (Renilla reniformis) has a single major excitation peak at 498 nm. GFP makes for an excellent tool in many forms of biology due to its ability to form internal chromophore without requiring any accessory cofactors, gene products, or enzymes / substrates other than molecular oxygen.In cell and molecular biology, the GFP gene is frequently used as a reporter of expression.

# **Recommended Dilutions**

ΙP

20μl-40μl Affinity Gel for 100μg-300μg extracts of whole cells

# Immunogen Information

Gene ID

**Swiss Prot** 

#### **Immunogen**

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

# **Synonyms**

GFP;GFP tag;GFP-tag

### **Contact**

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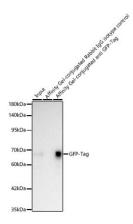
### **Product Information**

SourceIsotypePurificationRabbitIgGAffinity purification

#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



Immunoprecipitation of GFP-Tag in 150  $\mu$ g extracts from 293F cells transfected with GFP-Tag using 20  $\mu$ l Affinity Gel-conjugated Rabbit anti GFP-Tag mAb {Anti-GFP Affinity Gel} (AE119). Western blot analysis was performed using HRP-conjugated Mouse anti GFP-Tag mAb (AE030) at 1:5000 dilution.