

**Anti-GFP (RABBIT) Antibody Biotin Conjugated**  
**GFP Antibody Biotin Conjugated**  
**Catalog # ASR5858****Specification****Anti-GFP (RABBIT) Antibody Biotin Conjugated - Product Information**

|                       |                                                                                                                                                                                                                                                                             |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                  | Rabbit                                                                                                                                                                                                                                                                      |
| Conjugate             | Biotin                                                                                                                                                                                                                                                                      |
| Reactivity            | GFP                                                                                                                                                                                                                                                                         |
| Clonality             | Polyclonal                                                                                                                                                                                                                                                                  |
| Application           | WB, IHC, E, I, LCI                                                                                                                                                                                                                                                          |
| Application Note      | Biotin Conjugated GFP Antibody has been tested by ELISA and western blot and is suitable for immunoblotting, ELISA, immunohistochemistry, immunomicroscopy as well as other antibody based assays using streptavidin or avidin conjugates requiring lot-to-lot consistency. |
| Physical State        | Lyophilized                                                                                                                                                                                                                                                                 |
| Buffer                | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2                                                                                                                                                                                                                  |
| Immunogen             | Anti-Green Fluorescent Protein (GFP) is produced by immunizing GFP containing fusion protein that corresponds to the full length amino acid sequence (246aa) derived from the jellyfish <i>Aequorea victoria</i> .                                                          |
| Reconstitution Volume | 100 µL                                                                                                                                                                                                                                                                      |
| Reconstitution Buffer | Restore with deionized water (or equivalent)                                                                                                                                                                                                                                |
| Stabilizer            | 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free                                                                                                                                                                                                      |
| Preservative          | 0.01% (w/v) Sodium Azide                                                                                                                                                                                                                                                    |

**Anti-GFP (RABBIT) Antibody Biotin Conjugated - Additional Information****Purity**

Anti-GFP was prepared from monospecific antiserum by immunoaffinity chromatography using Green Fluorescent Protein (*Aequorea victoria*) coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum, anti-Biotin and purified and partially purified Green Fluorescent Protein (*Aequorea victoria*). No reaction was observed against Human, Mouse and Rat Serum Proteins.

**Storage Condition**

Store Anti-GFP at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

### Precautions Note

This product is for research use only and is not intended for therapeutic or diagnostic applications.

## Anti-GFP (RABBIT) Antibody Biotin Conjugated - Protein Information

**Name** GFP

### Function

Energy-transfer acceptor. Its role is to transduce the blue chemiluminescence of the protein aequorin into green fluorescent light by energy transfer. Fluoresces in vivo upon receiving energy from the Ca(2+)-activated photoprotein aequorin.

### Tissue Location

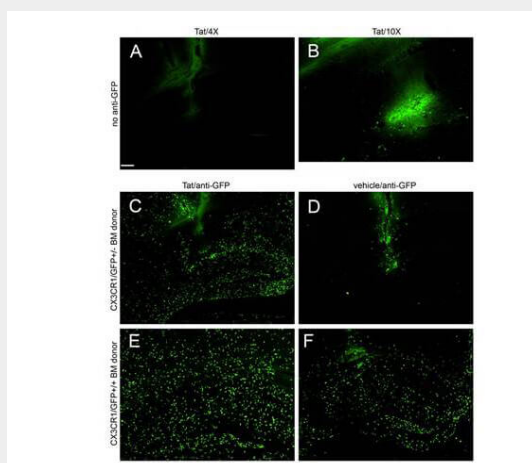
Photocytes.

## Anti-GFP (RABBIT) Antibody Biotin Conjugated - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-GFP (RABBIT) Antibody Biotin Conjugated - Images



Immuno-Fluorescence of Biotin Mouse anti-GFP antibody. Biotin mouse anti GFP used 1:5000 As referenced in:

## Anti-GFP (RABBIT) Antibody Biotin Conjugated - Background

GFP Antibody is produced from Green fluorescent protein which is a 27 kDa protein produced from the jellyfish Aequorea victoria, which emits green light (emission peak at a wavelength of 509nm) when excited by blue light. GFP is an important tool in cell biology research. GFP is widely used

enabling researchers to visualize and localize GFP-tagged proteins within living cells without the need for chemical staining.