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Anti-GFP (RABBIT) Antibody Fluorescein Conjugated

GFP Antibody Fluorescein Conjugated
Catalog # ASR5782

Specification

Anti-GFP (RABBIT) Antibody Fluorescein Conjugated - Product Information

Host	**Rabbit**
Conjugate	**Fluorescein (FITC)**
FP Value	**7.2**
Reactivity	**GFP**
Clonality	**Polyclonal**
Application	**WB, E, I, LCI**
Application Note	**Anti-Green fluorescent protein Fluorescein conjugated Antibody has been tested by dot blot and western blot and is suitable for immunomicroscopy and flow cytometry or FACS analysis as well as other antibody based fluorescent assays 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 Aequorea victoria.**
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 Fluorescein Conjugated - Additional Information

Purity
GFP Antibody Fluorescein Conjugated 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-Fluorescein and purified and partially purified Green Fluorescent Protein (Aequorea victoria) Serum. No reaction was observed against Human, Mouse and Rat Serum Proteins.

Storage Condition
Store vial 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 Fluorescein 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.

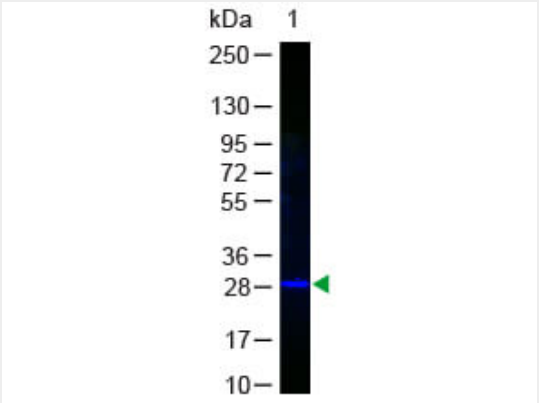
Tissue Location
Photocytes.

Anti-GFP (RABBIT) Antibody Fluorescein 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 Cytomety
- Cell Culture

Anti-GFP (RABBIT) Antibody Fluorescein Conjugated - Images



Western Blot of GFP Antibody Fluorescein Conjugated. Lane 1: GFP. Load: 50 ng per lane. Primary antibody: none. Secondary antibody: Fluorescein Conjugated Anti-GFP at 1:1000 for 60 min at RT. Block: 1% BSA-TTBS for 30 min at RT. Predicted/Observed size: 28 kDa, 28 kDa.

Anti-GFP (RABBIT) Antibody Fluorescein Conjugated - Background

Green fluorescent protein 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.