

Anti-GFP (GOAT) Antibody Texas Red™ Conjugated Min X Hu Ms and Rt Serum Proteins
GFP Antibody Texas Red™ Conjugated Pre-Adsorbed
Catalog # ASR5122**Specification**

Anti-GFP (GOAT) Antibody Texas Red™ Conjugated Min X Hu Ms and Rt Serum Proteins - Product Information

Host	Goat
Conjugate	Texas Red®
FP Value	4.2
Reactivity	GFP
Clonality	Polyclonal
Application	WB, I, LCI
Application Note	Polyclonal anti-GFP is designed to detect GFP and its variants. This antibody can be used to detect GFP by ELISA (sandwich or capture) for the direct binding of antigen and recognizes wild type, recombinant and enhanced forms of GFP. Biotin conjugated polyclonal anti-GFP used in a sandwich ELISA is well suited to titrate GFP in solution using this antibody in combination with Rockland's monoclonal anti-GFP (600-301-215) using either form of the antibody as the capture or detection antibodies. However, use the monoclonal form only for the detection of wild type or recombinant GFP as this form does not sufficiently detect 'enhanced' GFP. The detection antibody is typically conjugated to biotin and subsequently reacted with streptavidin conjugated HRP (code # S000-03). Fluorochrome conjugated polyclonal anti-GFP can be used to detect GFP by immunofluorescence microscopy in prokaryotic (E.coli) and eukaryotic (CHO cells) expression systems and can detect GFP containing inserts. Significant amplification of signal is achieved using fluorochrome conjugated polyclonal anti-GFP relative to the fluorescence of GFP alone. For immunoblotting use either alkaline phosphatase or peroxidase conjugated polyclonal anti-GFP to detect GFP or GFP containing proteins on western blots. Optimal titers for applications should be determined by the researcher.
Physical State	Lyophilized
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	Recombinant Green Fluorescent Protein

Reconstitution Volume
Reconstitution Buffer

Stabilizer

Preservative

(GFP) fusion protein corresponding to the full length amino acid sequence (246aa) derived from the jellyfish *Aequorea victoria*.

1.0 mL

Restore with deionized water (or equivalent)

10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

0.01% (w/v) Sodium Azide

Anti-GFP (GOAT) Antibody Texas Red™ Conjugated Min X Hu Ms and Rt Serum Proteins - Additional Information

Purity

GFP Texas Red™ Conjugated Antibody 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-Goat Serum 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 GFP antibody 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 (GOAT) Antibody Texas Red™ Conjugated Min X Hu Ms and Rt Serum Proteins - 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 (GOAT) Antibody Texas Red™ Conjugated Min X Hu Ms and Rt Serum Proteins - 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 (GOAT) Antibody Texas Red™ Conjugated Min X Hu Ms and Rt Serum Proteins - Images

Anti-GFP (GOAT) Antibody Texas Red™ Conjugated Min X Hu Ms and Rt Serum Proteins - Background

GFP Texas Red™ Conjugated Antibody is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms.