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Product Datasheet

GFP Antibody, Unconjugated, Rabbit, Polyclonal Preis auf Anfrage BYT-ORB345369

Article Name	GFP Antibody, Unconjugated, Rabbit, Polyclonal Preis auf Anfrage
Biozol Catalog Number	BYT-ORB345369
Supplier Catalog Number	orb345369
Alternative Catalog Number	BYT-ORB345369-25
Manufacturer	Biorbyt
Host	Rabbit
Category	Antikörper
Application	ELISA, IF, IHC, WB
Species Reactivity	Other
Immunogen	The immunogen is a Green Fluorescent Protein (GFP) fusion protein corresponding to the full length amino acid sequence (246aa) derived from the jellyfish Aequorea victoria.
Conjugation	Unconjugated
Product Description	GFP antibody...
Clonality	Polyclonal
Concentration	1.250 mg/mL
UniProt	P42212
Buffer	Preservative: 0.01% (w/v) Sodium Azide. Stabilizer: None, Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Purity	Anti-GFP 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-Rabbit Serum and purified and partially purified Green Fluorescent Protein (Aequorea victoria). No reaction was observed against Human, Mouse or Rat serum proteins.
Form	Liquid (sterile filtered)
Application Dilute	ELISA: 1:20,000 - 1:120,000, IHC: 1:200 - 1:3,000, IF: 1:500 - 1:5,000, WB: 1:500 - 1:5,000
Application Notes	Application Notes: Anti-GFP antibody is designed to detect GFP and its variants. GFP antibody has been tested by western blot and ELISA. This product 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 Biorbyts monoclonal anti-GFP 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. 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