

GFP (Recombinant)

Alternate names:	Green fluorescent protein
Catalog No.:	AP09429CP-N
Quantity:	0.1 mg
Concentration:	1.0 mg/ml (by UV absorbance at 280 nm where $\epsilon_{0.1\%} = 0.71$)
Background:	Recombinant GFP (wild type) is intended for use as a control when using polyclonal or monoclonal anti-GFP in immunological assays. Polyclonal anti-GFP can detect GFP by ELISA (sandwich or capture) or western blot. Biotin conjugated polyclonal anti-GFP used in a sandwich ELISA is well suited to titrate GFP in solution when used in combination with monoclonal anti-GFP, using either form of the antibody as the capture or detection antibody. Control GFP can be used as a control in western blots. Researchers should determine optimal titers for applications.
Immunogen:	Green Fluorescent Protein (GFP) fusion protein corresponding to the full length amino acid sequence (246aa) derived from the jellyfish <i>Aequorea victoria</i>
Format:	State: Liquid purified Ig Purification: Affinity chromatography Buffer System: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 containing 0.02% (w/v) Sodium Azide
Specificity:	Green Fluorescent Protein (GFP) control peptide.
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Pictures:

SDS-PAGE of purified GFP control shows a single band corresponding to GFP at approximately 28 kDa (arrowhead). Approximately 3 µg of purified protein was loaded on to a 4-20% gradient gel for separation followed by staining with Coomassie blue. Molecular weight estimation was made by comparison to MW markers indicated at the left.

