

Anti-Green Fluorescent Protein Tag (GFP) Antibody

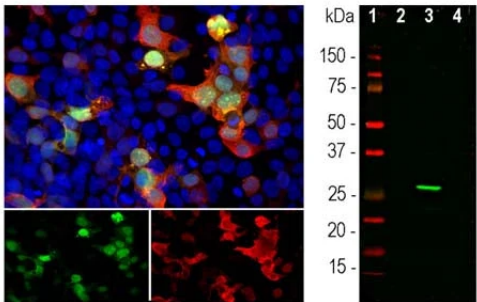


Product Details

Available Variants	100 µg (SKU:G-2103-100)
Conjugate	Unconjugated
Isotype	IgG
Host Species	Goat
Format	Affinity-purified
Physical State	Lyophilized
Buffer	Lyophilized from PBS buffer pH 7.2-7.6 with 0.1% trehalose, and sodium azide
Applications	ICC, WB
Dilution Ranges	WB: 1:1000-1:5000 ICC: 1:2000-1:5000
Immunogen	Recombinant AcGFP protein expressed in and purified from E. Coli.
Specificity	Antibody recognizes GFP protein in GFP-transfected HEK293 cells, but not in non-transfected control cells. Specific for GFP, does not cross-react with mCherry.
Molecular Weight	27 kDa
Storage	Spin vial briefly before opening. Reconstitute with 100 µL sterile-filtered, ultrapure water to achieve a 1 mg/mL concentration. Centrifuge to remove any insoluble material. Store lyophilized antibody at 2-8°C. After reconstitution divide into aliquots and store at -20°C for long-term storage. Store at 2-8°C short-term (up to 4 weeks). Avoid repetitive freeze/thaw cycles.
UniProt ID	<u>Q6YQZ0</u>
Country of Origin	United States
Shipping	25°C (ambient)

Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.

Product Images



Left: Analysis of GFP fusion protein-transfected HEK293 cells by **Immunocytochemistry**. GFP expression (green) was detected with goat antibody to GFP (red, 1:5,000). Blue: Hoechst nuclear stain. The goat antibody reveals GFP protein expressed only in transfected cells, and as a result these cells appear yellow in color. Top: merged image; bottom panel: individual fluorescence channels. **Right:** Western blot analysis of GFP expression (green) in transfected HEK293 cells with goat anti-GFP antibody (1:1,000). Lane 1: molecular weight marker; Lane 2: non-transfected control cells; Lane 3: GFP-transfected cells; Lane 4: mCherry-transfected cells. A strong band at ~27 kDa corresponds to GFP protein detected only in cells transfected with GFP construct. This antibody does not recognize the mCherry protein.

Product Page URL: www.antibodiesinc.com/products/anti-green-fluorescent-protein-tag-gfp-antibody-g-2103-100

