www.antibodiesinc.com
orders@antibodiesinc.com
530-758-4400

PRODUCT DATASHEET

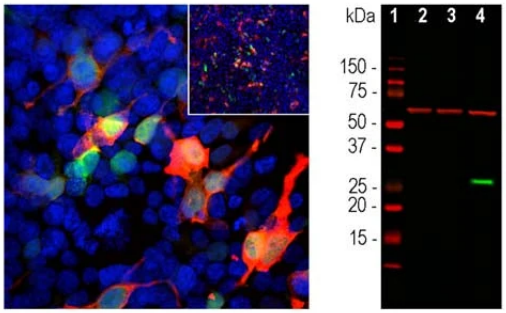
Anti-Green Fluorescent Protein Tag (GFP) Antibody

Product Details

Available Variants	100 µg (SKU:M-2104-100)
Conjugate	Unconjugated
Isotype	IgM
Clone	1F1
Host Species	Mouse
Format	IgM
Physical State	Lyophilized
Buffer	Lyophilized from PBS buffer pH 7.2-7.6 with 0.1% trehalose, and sodium azide
Production Notes	Protein L purified
Applications	ICC, WB
Dilution Ranges	WB: 1:1000 ICC: 1:1000
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	Q6YGZ0

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 mouse antibody to GFP (red, 1:1,000). Blue: Hoechst nuclear stain. The chicken antibody reveals GFP protein expressed only in transfected cells, and as a result these cells appear orange in color. **Right:** Western blot analysis of GFP expression (green) in transfected HEK293 cells with mouse anti-GFP antibody (1:1,000). Lane 1: molecular weight marker; Lane 2: non-transfected control cells; Lane 3: mCherry-transfected cells; Lane 4: GFP-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. The blot was simultaneously probed with a chicken antibody to HSP60 (red, lanes 2-4).