

GFP antibody [9F9.F9]

Cat. No. GTX21218

Host	Mouse
Clonality	Monoclonal
Isotype	IgG
Applications	WB, ICC/IF, IHC-Fr, FCM, IP, Dot, ELISA, ChIP assay, IHC, Multiplexing
Reactivity	Species independent

References (11)

Package

100 µg

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:3000-1:30000
ICC/IF	Assay dependent
IHC-Fr	1:1000-1:5000
FCM	Assay dependent
IP	Assay dependent
Dot	Assay dependent
ELISA	1:10000-1:30000
ChIP assay	Assay dependent
IHC	1:1000-5000
Multiplexing	Assay dependent

Not tested in other applications.

Product Note

Reactivity is observed against recombinant Green Fluorescent Protein from *Aequorea victoria* by both Western blot and ELISA. No reaction is seen against RFP.

Properties

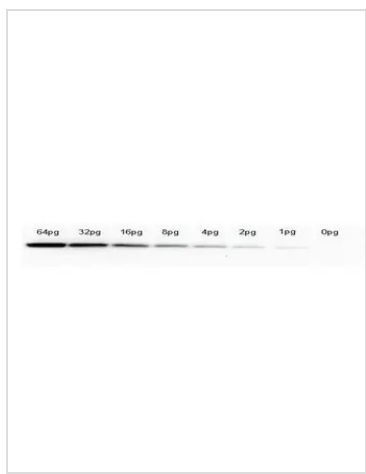
Form	Liquid
Buffer	20mM Potassium Phosphate, 150mM NaCl
Preservative	0.01% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)



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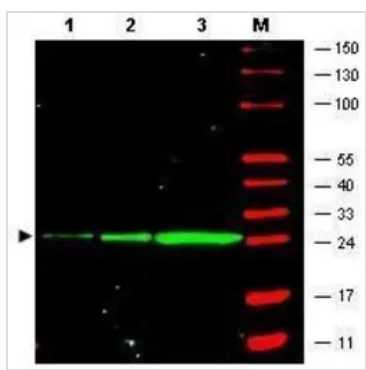
Immunogen	Recombinant Green Fluorescent Protein (GFP) fusion protein corresponding to the full length amino acid sequence (246aa) derived from the jellyfish <i>Aequorea victoria</i> .
Purification	Purified by antigen-affinity chromatography. From tissue culture supernatant.
Conjugation	Unconjugated
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



GTX21218 WB Image

Western Blot of anti-GFP monoclonal antibody (GTX21218). Lane 1: 64pg of recombinant GFP protein were spiked into a HeLa cell-derived lysates. Lane 2: 32pg of recombinant GFP protein were spiked into a HeLa cell-derived lysates. Lane 3: 16pg of recombinant GFP protein were spiked into a HeLa cell-derived lysates. Lane 4: 8pg of recombinant GFP protein were spiked into a HeLa cell-derived lysates. Lane 5: 4pg of recombinant GFP protein were spiked into a HeLa cell-derived lysates. Lane 6: 2pg of recombinant GFP protein were spiked into a HeLa cell-derived lysates. Lane 7: 1pg of recombinant GFP protein were spiked into a HeLa cell-derived lysates. Lane 8: 0pg of recombinant GFP protein were spiked into a HeLa cell-derived lysates. Primary antibody: anti-GFP monoclonal antibody at 1:400 for overnight at 4°C. Secondary antibody: HRP-conjugated anti-Mouse IgG (GTX26728) was performed at a dilution of 1:20,000 for 1h at 4°C. Block: TTBS supplemented with 1% BSA for 1 h at 4°C. Predicted/Observed size: 27 kDa for GFP. Other band(s): none.



GTX21218 WB Image

Figure: Western blot of GFP recombinant protein detected with GeneTex monoclonal anti-GFP antibody. GFP recombinant protein was expressed in HeLa cells, where 50 ng (lane 1), 100 ng (lane 2) and 500 ng (lane 3) of lysate were loaded per lane. GTX21218 detects a 27 kDa band corresponding to the epitope tag GFP. The membrane was probed with the primary antibody diluted to 1.0 µg/ml for 1 h at room temperature followed by washes and reaction with a 1:2,500 dilution of IRDyeR 800 conjugated goat anti-Mouse IgG [H&L]. IRDyeR 800 fluorescence image was captured using the OdysseyR Infrared Imaging System developed by LI-COR. IRDye is a trademark of LI-COR, Inc. Other detection systems will yield similar results.



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