

Datasheet: AHP975

BATCH NUMBER 173097

Description:	GOAT ANTI GREEN FLUORESCENT PROTEIN
Specificity:	GREEN FLUORESCENT PROTEIN
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1/10,000 - 1/30,000
Immunoprecipitation			▪	
Western Blotting	▪			1/400 - 1/10,000
Immunofluorescence	▪			

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Product Form Purified IgG - liquid

Antiserum Preparation Antisera to green fluorescent protein (GFP) were raised by repeated immunisations of goat with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

Buffer Solution Phosphate buffered saline

Preservative Stabilisers <0.1% Sodium Azide (NaN₃)

Approx. Protein Concentrations IgG concentration 1.0 mg/ml

Immunogen Fusion protein corresponding to full length GFP derived from *Aequorea victoria*

External Database

Links

UniProt:

[P42212](#)

[Related reagents](#)

RRID

AB_566990

Specificity

Goat anti green fluorescent protein antibody recognizes green fluorescent protein (GFP), a 27kD protein which is derived from the jellyfish *Aequorea victoria*. GFP fluoresces green (509nm) when excited by blue light (395nm) and is commonly used as a marker of gene expression. The antibody recognises wild type GFP, but will also detect recombinant and enhanced forms of GFP.

References

1. Wen, J, & Brogna, S. (2010) Splicing-dependent NMD does not require the EJC in *Schizosaccharomyces pombe*. [EMBO J. 29: 1537-51.](#)
 2. Wuest, T. *et al.* (2011) The Herpes Simplex Virus-1 Transactivator Infected Cell Protein-4 Drives VEGF-A Dependent Neovascularization. [PLoS Pathog. 7: e1002278.](#)
 3. Al-Jubran, K. *et al.* (2013) Visualization of the joining of ribosomal subunits reveals the presence of 80S ribosomes in the nucleus. [RNA. 19: 1669-83.](#)
 4. Lampron, A. *et al.* (2013) Migration of bone marrow-derived cells into the central nervous system in models of neurodegeneration. [J Comp Neurol. 521 \(17\): 3863-76.](#)
 5. Nicol, M.Q. *et al.* (2019) Lack of IFN γ signaling attenuates spread of influenza A virus in vivo and leads to reduced pathogenesis. [Virology. 526: 155-164.](#)
 6. Berger, S.L. *et al.* (2018) Localized Myosin II Activity Regulates Assembly and Plasticity of the Axon Initial Segment. [Neuron. 97 \(3\): 555-570.e6.](#)
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Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/AHP975>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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