

Datasheet: AHP975

**BATCH NUMBER 172232**

<b>Description:</b>	GOAT ANTI GREEN FLUORESCENT PROTEIN
<b>Specificity:</b>	GREEN FLUORESCENT PROTEIN
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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 (NaN<sub>3</sub>)

**Approx. Protein Concentrations** IgG concentration 1.0 mg/ml

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

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**External Database**

**Links**

**UniProt:**

[P42212](#)

[Related reagents](#)

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**RRID**

AB\_566990

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**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.

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**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 $\gamma$  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.

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**Guarantee**

12 months from date of despatch

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**Health And Safety Information**

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

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

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

**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://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](https://bio-rad-antibodies.com/datasheets)

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