

Datasheet: AHP2985

Description:	RABBIT ANTI BLUE FLUORESCENT PROTEIN
Specificity:	BLUE FLUORESCENT PROTEIN
Other names:	BFP
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µg

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
Western Blotting	▪			0.5 - 4.0 ug/ml

Where this product 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 product for use in their own system using appropriate negative/positive controls.

Product Form Purified IgG - liquid

Antiserum Preparation Antiserum to blue fluorescent protein (BFP) was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

Buffer Solution Phosphate buffered saline

Preservative 30% Glycerol
Stabilisers 0.5% Bovine Serum Albumin
 5mM EDTA
 0.03% Proclin™300

Approx. Protein Concentrations IgG concentration 0.5 mg/ml

Immunogen *E. coli* expressed recombinant blue fluorescent protein

Specificity	Rabbit anti BFP antibody recognizes the blue fluorescent protein (BFP), a monomeric engineered derivative of green fluorescent protein (GFP) isolated from the jellyfish <i>Aequorea victoria</i> . BFP is a ~29 kDa protein that is optimally excited at a wavelength of 380 nm and emits light at 448 nm (Day and Davidson 2009). In multi-color and FRET (Fluorescence/Förster Resonance Energy Transfer) experiments, BFP is often used in combination with EGFP (enhanced green fluorescent protein) (Day and Davidson 2009).
Western Blotting	Rabbit anti BFP antibody is predicted to recognize a band of approximately 29 kDa on recombinant BFP. Observed band size is 29-36 kDa.
Further Reading	1. Day, R.N. & Davidson, M.W. (2009) The fluorescent protein palette: tools for cellular imaging. Chem Soc Rev. 38 (10): 2887-921.
Storage	Store at -20°C Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #20377 available at: 20377: https://www.bio-rad-antibodies.com/uploads/MSDS/20377.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
 Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
 Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
 Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
 Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

Recommended Useful Reagents

- [RABBIT ANTI GREEN FLUORESCENT PROTEIN \(AHP2984\)](#)
[RABBIT ANTI CYAN FLUORESCENT PROTEIN \(AHP2986\)](#)
[RABBIT ANTI RED FLUORESCENT PROTEIN \(AHP2987\)](#)
[RABBIT ANTI mCHERRY \(AHP2326\)](#)
[MOUSE ANTI mCHERRY \(MCA6020\)](#)

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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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