

## Datasheet: AHP2985

<b>Description:</b>	RABBIT ANTI BLUE FLUORESCENT PROTEIN
<b>Specificity:</b>	BLUE FLUORESCENT PROTEIN
<b>Other names:</b>	BFP
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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  
 0.01% Thiomersal  
 5mM EDTA

**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 *Aequorea victoria*. 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](#)).

<b>Western Blotting</b>	Rabbit anti BFP antibody is predicted to recognize a band of approximately 29 kDa on recombinant BFP. Observed band size is 29-36 kDa.
<b>Further Reading</b>	1. Day, R.N. & Davidson, M.W. (2009) The fluorescent protein palette: tools for cellular imaging. <a href="#">Chem Soc Rev. 38 (10): 2887-921.</a>
<b>Storage</b>	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.
<b>Shelf Life</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #20353 available at: 20353: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/20353.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/20353.pdf</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)	<a href="#">FITC</a>
Sheep Anti Rabbit IgG (STAR35...)	<a href="#">RPE</a>
Goat Anti Rabbit IgG (H/L) (STAR124...)	<a href="#">HRP</a>
Goat Anti Rabbit IgG (Fc) (STAR121...)	<a href="#">Biotin</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Sheep Anti Rabbit IgG (2AB02...)	<a href="#">Biotin</a>
Sheep Anti Rabbit IgG (STAR36...)	<a href="#">DyLight@488</a> , <a href="#">DyLight@549</a> , <a href="#">DyLight@649</a> , <a href="#">DyLight@680</a> , <a href="#">DyLight@800</a>

### 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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