

## Datasheet: 12004163

<b>Description:</b>	ANTI-ACTIN hFAB™ RHODAMINE ANTIBODY
<b>Specificity:</b>	ACTIN
<b>Format:</b>	Rhodamine
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	AbD22606
<b>Isotype:</b>	HuCAL Fab monovalent
<b>Quantity:</b>	200 µl

## 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	▪			1/1,000 - 1/10,000

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.

### Target Species

Human

### Species Cross Reactivity

Reacts with: Mouse

**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

### Product Form

A monovalent human recombinant Fab selected from the HuCAL® phage display library, expressed in *E. coli*. and purified using NiNTA affinity chromatography. This antibody is tagged with a DYKDDDDK tag and a HIS-tag (HHHHHH) at the C-terminus of the antibody heavy chain and conjugated to rhodamine - lyophilized

### Reconstitution

Resuspend contents of the tube in the indicated volume of distilled or deionized water and leave on ice for at least 30 min prior to use. Brief centrifugation (pulse spin for 2-3 sec at maximum speed on a tabletop microcentrifuge) may be used to collect the contents at the bottom of the tube.

Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
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**Buffer Solution** Phosphate buffered saline

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**Preservative** >80% Sucrose  
**Stabilisers** <0.04% 2-Methyl-2H-Isothiazol-3-One  
<10% Bovine Serum Albumin

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**External Database Links**

**UniProt:**  
[P60709](#)   [Related reagents](#)

**Entrez Gene:**  
[60](#)   ACTB   [Related reagents](#)

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**Product Information** hFAB Rhodamine Housekeeping Protein Fluorescent Primary Antibodies allow one-step detection of common housekeeping proteins like actin, tubulin, and GAPDH in your samples. These anti-actin, anti-[tubulin](#), and anti-[GAPDH](#) antibodies are directly labeled with a rhodamine derivative (Exmax/Emmax = 530 nm/580 nm). The hFAB Rhodamine Antibodies were generated with [Human Combinatorial Antibody Library \(HuCAL®\) Technology](#), providing exceptional specificity.

These housekeeping protein antibodies can be used for protein normalization when the protein loading amounts are in the linear dynamic range. hFAB Rhodamine Antibodies can be imaged with the ChemiDoc™ MP Imaging System, and can be used in multiplex experiments with StarBright™ Blue 700 Secondary Antibodies as well as other traditional fluorescent antibodies, permitting detection of multiple target proteins and the housekeeping protein in a single blot.

#### Features and Benefits

**Simple** — No requirement for a secondary antibody; one-step detection of housekeeping proteins using highly cross-adsorbed antibodies for high specificity and sensitivity

**Versatile** — Compatible with use of a wide range of other fluorophores including StarBright Blue 700 and DyLight 800 Fluorophores for multiplex western blotting

**Unique** — HuCAL Technology eliminates cross-reactivity with primary/secondary antibodies from other species

**Diverse** — Antibodies have been tested to detect human or mouse housekeeping proteins

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**Instructions For Use** Instructions for use can be found at [www.bio-rad-antibodies.com/uploads/IFU/12004163.pdf](http://www.bio-rad-antibodies.com/uploads/IFU/12004163.pdf)

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**Storage** 1 year at -20°C lyophilized; 6 months at +4°C after resuspension.  
This product is photosensitive and should be protected from light  
**DO NOT FREEZE the solubilized material**

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**Guarantee** Guaranteed until date of expiry. Please see product label.

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**Acknowledgements** Sold under license of U.S. Patents 6753136, 7785859 and 8273688 and corresponding patents. This antibody was developed by Bio-Rad, Zeppelinstr. 4, 82178 Puchheim, Germany.  
His-tag is a registered trademark of EMD Biosciences.

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**Health And Safety Information** Material Safety Datasheet documentation #12004163 available at:  
12004163: <https://www.bio-rad-antibodies.com/uploads/MSDS/12004163.pdf>  
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**Regulatory** For research purposes only

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## Related Products

### Recommended Useful Reagents

[SHEEP ANTI RABBIT IgG:DyLight®800 \(STAR36D800GA\)](#)

[ANTI-GAPDH hFAB™ RHODAMINE ANTIBODY \(12004168\)](#)

[GOAT ANTI MOUSE IgG \(H/L\):DyLight®800 \(MULTI SPECIES ADSORBED\) \(STAR117D800GA\)](#)

[GOAT ANTI-MOUSE IgG StarBright™ Blue 700 \(12004158\)](#)

[GOAT ANTI-RABBIT IgG StarBright™ Blue 700 \(12004161\)](#)

[ANTI-GAPDH hFAB™ RHODAMINE ANTIBODY \(12004167\)](#)

[ANTI-TUBULIN hFAB™ RHODAMINE ANTIBODY \(12004165\)](#)

[ANTI-TUBULIN hFAB™ RHODAMINE ANTIBODY \(12004166\)](#)

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