

## Datasheet: HCA107

|                      |                                   |
|----------------------|-----------------------------------|
| <b>Description:</b>  | HuCAL Fab-A-FSx2 NEGATIVE CONTROL |
| <b>Specificity:</b>  | HuCAL Fab-A-FSx2 NEGATIVE CONTROL |
| <b>Format:</b>       | Purified                          |
| <b>Product Type:</b> | Negative/Isotype Control          |
| <b>Clone:</b>        | 8972                              |
| <b>Isotype:</b>      | HuCAL Fab bivalent                |
| <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                      | ▪   |    |                |                    |
| Immunoprecipitation        |     |    | ▪              |                    |
| Western Blotting           | ▪   |    |                |                    |

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.

|                                       |                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Target Species</b>                 | Negative Control                                                                                                                                                                                                                                                                                                                                                  |
| <b>Product Form</b>                   | A bivalent human recombinant Fab selected from the HuCAL® phage display library, expressed in <i>E. coli</i> . This Fab fragment is bivalent by dimerization of the bacterial alkaline phosphatase fusion protein. The antibody is tagged with a DYKDDDDK tag and a double extended Strep-tag (SAWSHPQFEKGGGSGGGSGGSAWSHPQFEK). This antibody is supplied liquid. |
| <b>Preparation</b>                    | StrepTactin affinity chromatography                                                                                                                                                                                                                                                                                                                               |
| <b>Buffer Solution</b>                | Phosphate buffered saline                                                                                                                                                                                                                                                                                                                                         |
| <b>Preservative Stabilisers</b>       | 0.01% Thiomersal                                                                                                                                                                                                                                                                                                                                                  |
| <b>Approx. Protein Concentrations</b> | Total protein concentration 0.5mg/ml                                                                                                                                                                                                                                                                                                                              |
| <b>Immunogen</b>                      | Green fluorescent protein                                                                                                                                                                                                                                                                                                                                         |

|                                      |                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Specificity</b>                   | HCA107 is a recombinant antibody with specificity for Green Fluorescent Protein. It has no known reactivity with mammalian proteins or other antigens. It is therefore recommended as a negative control reagent when using other HuCAL antibodies of the same format. It is recommended that this reagent is used at the same concentration as the test reagent. |
| <b>Storage</b>                       | Store at +4°C or at -20°C if preferred.<br>Storage in frost-free freezers is not recommended.<br>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>Acknowledgements</b>              | 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.                                                                                                                                                                                       |
| <b>Health And Safety Information</b> | Material Safety Datasheet Documentation #10094 available at: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10094.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10094.pdf</a>                                                                                                                                                                    |
| <b>Licensed Use</b>                  | For in vitro research purposes only, unless otherwise specified in writing by Bio-Rad.                                                                                                                                                                                                                                                                            |
| <b>Regulatory</b>                    | For research purposes only                                                                                                                                                                                                                                                                                                                                        |
| <b>Technical Advice</b>              | Recommended protocols and further information about HuCAL recombinant antibody technology can be found in the <a href="#">HuCAL Antibodies Technical Manual</a>                                                                                                                                                                                                   |

## Related Products

### Recommended Secondary Antibodies

Mouse Anti Synthetic Peptide STREP-TAG CLASSIC (MCA2489...) [HRP](#)

|                                  |                                                                                                                                         |                  |                                                                                                                                                 |               |                                                                                                                                                     |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>North &amp; South America</b> | Tel: +1 800 265 7376<br>Fax: +1 919 878 3751<br>Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a> | <b>Worldwide</b> | Tel: +44 (0)1865 852 700<br>Fax: +44 (0)1865 852 739<br>Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a> | <b>Europe</b> | Tel: +49 (0) 89 8090 95 21<br>Fax: +49 (0) 89 8090 95 50<br>Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a> |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|

'M306375:170605'

Printed on 05 Jun 2017