

## Datasheet: HCA160

**BATCH NUMBER 1609**

<b>Description:</b>	HUMAN ANTI PLASMODIUM FALCIPARUM HRPII
<b>Specificity:</b>	HISTIDINE RICH PROTEIN II
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	AbD14971_hlgG1
<b>Isotype:</b>	IgG1
<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>	Protozoan
<b>Product Form</b>	Human IgG1 antibody (lambda light chain) selected from the HuCAL ® phage display library and expressed in a human cell line. This product is supplied as liquid.
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein</b>	IgG concentration 0.5 mg/ml

## Concentrations

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<b>Immunogen</b>	Recombinant HRP <sub>II</sub> fusion protein from <i>Plasmodium falciparum</i> .
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<b>External Database Links</b>	<b>UniProt:</b> <a href="#">Q25878</a> <a href="#">Related reagents</a>
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<b>RRID</b>	AB_10896836
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<b>Specificity</b>	<b>Human anti <i>Plasmodium falciparum</i> HRP<sub>II</sub>, clone AbD14971</b> recognizes HRP <sub>II</sub> (histidine rich protein II) from the Malaria causing protozoan species <i>Plasmodium falciparum</i> .
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Clone AbD14971 was selected by phage display under heat stress conditions. The T<sub>m</sub> value for thermal denaturation of the antibody was measured by CD spectroscopy and has been found to be 70 °C. Human anti *Plasmodium falciparum* HRP<sub>II</sub>, clone AbD14971 is intended for use as a capture antibody with Human anti *Plasmodium falciparum* HRP<sub>II</sub> antibody, clone AbD14964 ([HCA159P](#)) as the detection antibody in sandwich assay development.

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<b>ELISA</b>	This product is suitable for use in indirect ELISA applications. This product may be used as a capture reagent in a sandwich ELISA together with <a href="#">HCA159P</a> as the detection reagent.
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<b>Storage</b>	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.
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<b>Guarantee</b>	12 months from date of despatch
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<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.
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/HCA16010040">https://www.bio-rad-antibodies.com/SDS/HCA16010040</a>
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<b>Licensed Use</b>	For in vitro research purposes only, unless otherwise specified in writing by Bio-Rad.
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<b>Regulatory</b>	For research purposes only
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<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>
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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](https://www.bio-rad-antibodies.com/datasheets)

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