

Datasheet: HCA159P

Description:	HUMAN ANTI PLASMODIUM FALCIPARUM HRPII:HRP
Specificity:	HISTIDINE RICH PROTEIN II
Format:	HRP
Product Type:	Monoclonal Antibody
Clone:	AbD14964_hIgG1
Isotype:	IgG1
Quantity:	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.

	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.

Target Species	Protozoan
Product Form	Human IgG1 antibody (kappa light chain) selected from the HuCAL ® phage display library and expressed in a human cell line. Conjugated to horseradish peroxidase (HRP) - liquid.
Preparation	Purified IgG prepared by affinity chromatography on Protein A
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.01% Thiomersal HRP Stabiliser (BUF052A)
Approx. Protein	IgG concentration 0.1 mg/ml

Concentrations

Immunogen Recombinant HRPII fusion protein from *Plasmodium falciparum*.

External Database Links

UniProt:
[Q25878](#) [Related reagents](#)

RRID AB_10896835

Specificity **Human anti plasmodium falciparum HRPII antibody, clone AbD14964** recognizes HRPII (histidine rich protein II) from the Malaria causing protozoan species *Plasmodium falciparum* .

Clone AbD14964 was selected by phage display under heat stress conditions. The T_m value for thermal denaturation of the antibody was measured by CD spectroscopy and has been found to be 70 °C. When conjugated this clone can be used as a detection antibody with HCA160 as the capture antibody in sandwich assay.

ELISA This product is suitable for use in direct ELISA applications. This product may be used as a detection reagent in a sandwich ELISA together with [HCA160](#) as the capture reagent.

Storage Store at +4°C. DO NOT FREEZE.
This product should be stored undiluted.

Guarantee 12 months from date of despatch

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.

Health And Safety Information Material Safety Datasheet documentation #10131 available at:
10131: <https://www.bio-rad-antibodies.com/uploads/MSDS/10131.pdf>

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Regulatory For research purposes only

Technical Advice Recommended protocols and further information about HuCAL recombinant antibody technology can be found in the [HuCAL Antibodies Technical Manual](#)

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