Datasheet: HCA159P

Description:	HUMAN ANTI PLASMODIUM FALCIPARUM HRPII:HRP
Specificity:	HISTIDINE RICH PROTEIN II
Format:	HRP
Product Type:	Monoclonal Antibody
Clone:	14964
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 Concentrations

IgG concentration 0.1 mg/ml

Immunogen

Recombinant HRPII fusion protein from *Plasmodium falciparum*

External Database Links

UniProt:
Q25878 Related reagents

Specificity	**Human anti Plasmodium falciparum HRPII antibody, clone 14964** recognizes HRPII (Histidine Rich Protein II) from the Malaria causing protozoan species *Plasmodium falciparum* . Clone 14964 was selected by phage display under heat stress conditions. The Tm 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^{o}C. DO NOT FREEZE. This product should be stored undiluted.
Shelf Life	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 #10031 available at https://www.bio-rad-antibodies.com/uploads/MSDS/10031.pdf
Licensed Use	For in vitro research purposes only, unless otherwise specified in writing by Bio-Rad.
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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