

Datasheet: HCA157P

BATCH NUMBER 162902

Description:	HUMAN ANTI PLASMODIUM FALCIPARUM LDH:HRP
Specificity:	L-LACTATE DEHYDROGENASE
Format:	HRP
Product Type:	Monoclonal Antibody
Clone:	AbD14001_hlgG1
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 (lambda 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 from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.01% Thiomersal

Approx. Protein Concentrations	IgG concentration 0.1 mg/ml
Immunogen	Recombinant LDH fusion protein from <i>Plasmodium falciparum</i>
External Database Links	UniProt: P13774 Related reagents
RRID	AB_10926388
Specificity	<p>Human anti Plasmodium falciparum LDH antibody, clone AbD14001 specifically recognizes LDH (L-lactose dehydrogenase) from the Malaria causing protozoan species <i>Plasmodium falciparum</i>.</p> <p>Clone AbD14001 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.</p> <p>When conjugated this clone is suitable for use as a detection antibody with HCA158 as the capture antibody in a sandwich assay.</p> <p>This clone is not cross reactive with LDH from <i>Plasmodium vivax</i>. The T_m value for thermal denaturation of the antibody was measured by CD spectroscopy and has been found to be 71 °C</p>
ELISA	This product may be used in a direct ELISA or as a detection reagent in a sandwich ELISA together with HCA158 as the capture reagent.
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch
Acknowledgements	This product and/or its use is covered by claims of U.S. patents, and/or pending U.S. and non-U.S. patent applications owned by or under license to Bio-Rad Laboratories, Inc. See bio-rad.com/en-us/trademarks for details.
Health And Safety Information	Material Safety Datasheet documentation #10094 available at: https://www.bio-rad-antibodies.com/SDS/HCA157P 10094
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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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
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