

Datasheet: HCA158

Description:	HUMAN ANTI PLASMODIUM FALCIPARUM LDH
Specificity:	L-LACTATE DEHYDROGENASE
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD14008_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 (kappa light chain) selected from the HuCAL ® phage display library and expressed in a human cell line. This product is supplied as a liquid.
Preparation	Purified IgG prepared by affinity chromatography on Protein A
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.01% Thiomersal
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml

Immunogen	Recombinant LDH fusion protein from <i>Plasmodium falciparum</i> .
External Database Links	UniProt: P13774 Related reagents
RRID	AB_10896830
Specificity	<p>Human anti <i>Plasmodium falciparum</i> LDH, clone AbD14008 recognizes LDH (L-lactose dehydrogenase) from the Malaria causing protozoan species <i>Plasmodium falciparum</i>.</p> <p>Human anti <i>Plasmodium falciparum</i> LDH, clone AbD14008 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>Human anti <i>Plasmodium falciparum</i> LDH, clone AbD14008 (HCA158) is designed for use as a capture antibody with HCA157P as the detection antibody in sandwich assay development.</p> <p>Human anti <i>Plasmodium falciparum</i> LDH, clone AbD14008 (HCA158) does not cross react with LDH from <i>Plasmodium vivax</i>.</p>
ELISA	This product may be used for indirect ELISA or as a capture reagent in a sandwich ELISA together with HCA157P as the detection reagent.
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
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 #10094 available at: 10094: https://www.bio-rad-antibodies.com/uploads/MSDS/10094.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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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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