

Datasheet: HCA158

BATCH NUMBER 0214

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	IgG concentration 0.5 mg/ml

Concentrations

Immunogen Recombinant LDH fusion protein from *Plasmodium falciparum*.

External Database Links

UniProt:
[P13774](#) [Related reagents](#)

RRID AB_10896830

Specificity

Human anti *Plasmodium falciparum* LDH, clone AbD14008 recognizes LDH (L-lactose dehydrogenase) from the Malaria causing protozoan species *Plasmodium falciparum*.

Human anti *Plasmodium falciparum* 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.

Human anti *Plasmodium falciparum* LDH, clone AbD14008 (**HCA158**) is designed for use as a capture antibody with [HCA157P](#) as the detection antibody in sandwich assay development.

Human anti *Plasmodium falciparum* LDH, clone AbD14008 (**HCA158**) does not cross react with LDH from *Plasmodium vivax*.

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

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.

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:
<https://www.bio-rad-antibodies.com/SDS/HCA158>
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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batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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