

Datasheet: HCA158

BATCH NUMBER 163608

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

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.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee

12 months from date of despatch.

Acknowledgements

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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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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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