

## Datasheet: HCA155P

<b>Description:</b>	HUMAN ANTI PLASMODIUM VIVAX LDH:HRP
<b>Specificity:</b>	L-LACTATE DEHYDROGENASE
<b>Format:</b>	HRP
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	AbD13978_hIgG1
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting			▪	
Functional Assays			▪	

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.

<b>Target Species</b>	Protozoan
<b>Product Form</b>	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.
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	0.01% Thiomersal
<b>Stabilisers</b>	HRP Stabiliser ( <a href="#">BUF052A</a> ).
<b>Approx. Protein</b>	IgG concentration 0.1 mg/ml

## Concentrations

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**Immunogen** Recombinant LDH fusion protein from *Plasmodium vivax*.

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## External Database Links

### UniProt:

[P13774](#)      [Related reagents](#)  
[Q4PRK9](#)      [Related reagents](#)

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**RRID** AB\_10895791

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## Specificity

**Human anti plasmodium vivax LDH, clone AbD13978** recognizes LDH (L-lactose dehydrogenase) from the Malaria causing protozoan species *Plasmodium vivax*. It was shown to cross-react with *Plasmodium falciparum* LDH.

Clone AbD13978 was selected by phage display under heat stress conditions. The T<sub>m</sub> value for thermal denaturation of the antibody was measured by CD spectroscopy and has been found to be 70 °C.

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## Storage

Store at +4°C. DO NOT FREEZE.  
This product should be stored undiluted.

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## Guarantee

12 months from date of despatch

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## 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](http://bio-rad.com/en-us/trademarks) for details.

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## Health And Safety Information

Material Safety Datasheet documentation #10131 available at:  
10131: <https://www.bio-rad-antibodies.com/uploads/MSDS/10131.pdf>

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## Licensed Use

For *in vitro*. research purposes only, unless otherwise specified in writing by Bio-Rad.

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## Regulatory

For research purposes only

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## 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](http://bio-rad-antibodies.com/datasheets)

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