Datasheet: HCA157P

Description: HUMAN ANTI PLASMODIUM FALCIPARUM LDH:HRP

Specificity: L-LACTATE DEHYDROGENASE

Format: HRP

Product Type: Monoclonal Antibody

Clone: AbD14001_hIgG1

Isotype: IgG1

Quantity: 0.1 mg

RRID: AB_10926388

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.

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<th>Application</th>
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<th>No</th>
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<th>Suggested Dilution</th>
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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: 0.01% Thiomersal

HRP Stabiliser: (BUF052A)

Approx. Protein Concentrations: IgG concentration 0.1 mg/ml

Immunogen: Recombinant LDH fusion protein from Plasmodium falciparum
External Database Links

UniProt: P13774 Related reagents

Specificity

Human anti Plasmodium falciparum LDH antibody, clone AbD14001 specifically recognizes LDH (L-lactose dehydrogenase) from the Malaria causing protozoan species Plasmodium falciparum.

Clone AbD14001 was selected by phage display under heat stress conditions. The Tm value for thermal denaturation of the antibody was measured by CD spectroscopy and has been found to be 70 °C.

When conjugated this clone is suitable for use as a detection antibody with HCA158 as the capture antibody in a sandwich assay.

This clone is not cross reactive with LDH from Plasmodium vivax. The Tm value for thermal denaturation of the antibody was measured by CD spectroscopy and has been found to be 71 °C.

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

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

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


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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