Datasheet: HCA062P

Description: HUMAN ANTI RITUXIMAB:HRP

Specificity: RITUXIMAB

Other names: MabThera®, Rituxan®

Format: HRP

Product Type: Monoclonal Antibody

Clone: AbD02844

Isotype: HuCAL Fab bivalent

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](http://www.bio-rad-antibodies.com/protocols).

<table>
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<tr>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<td>1/250 - 1/1000</td>
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Suggested Dilution

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.

Product Form

A bivalent human recombinant Fab selected from the HuCAL® GOLD phage display library. Expressed in E. coli and purified using metal chelate affinity chromatography. This Fab fragment is dimerized via a helix-turn-helix motif. The antibody is tagged with a myc-tag (EQKLISEEDL) and a his-tag (HHHHHHH) at the C-terminus of the antibody heavy chain and is conjugated to horseradish peroxidase.

Preparation

Metal chelate affinity chromatography

Buffer Solution

Phosphate buffered saline

Preservative

0.01% Thiomersal

Stabilisers

HRP Stabiliser ([BUF052A](#))

Approx. Protein Concentrations

Antibody concentration 0.1 mg/ml

Immunogen

Rituximab

Specificity

**Human anti Rituximab antibody, clone AbD02844** recognizes the idiotypic determinants expressed by the rituximab humanised monoclonal antibody. Rituximab is a therapeutic reagent directed against the human CD20 cell surface antigen. Human anti Rituximab antibody, clone AbD02844 does not recognize other CD20 antibodies.
## Affinity
The monovalent intrinsic affinity of this antibody was measured as KD=10 nM by real time, label-free molecular interaction analysis on immobilized rituximab.

## ELISA
This product may be used as a detection reagent in a sandwich ELISA. Protocol: **PK bridging ELISA** to measure free drug.

## Storage
Store at +4°C. DO NOT FREEZE.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

## Shelf Life
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. Rituxan® is a registered trademark of Biogen Idec/Genentech in the USA. MabThera® is a registered trademark of Roche in Europe.

## Health And Safety Information

## Licensed Use
For in vitro research purposes and for commercial applications for the provision of in vitro testing services to support preclinical and clinical drug development. Any re-sale in any form or any other commercial application needs a written agreement with 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](#).

## Related Products
### Recommended Useful Reagents
- AbGUARD® HRP STABILIZER PLUS (BUF052A)
- AbGUARD® HRP STABILIZER PLUS (BUF052B)
- AbGUARD® HRP STABILIZER PLUS (BUF052C)
- TMB CORE (BUF056A)
- TMB CORE PRESTAINED (BUF057A)
- TMB CORE+ (BUF062A)
- TMB SIGNAL+ (BUF054A)
- HUMAN ANTI RITUXIMAB (HCA061)
- RAT ANTI RITUXIMAB (MCA2260)
- RAT ANTI RITUXIMAB:FITC (MCA2260F)
- HUMAN ANTI RITUXIMAB (HCA186)
- AbGUARD® HRP STABILIZER PLUS (BUF052A)
- AbGUARD® HRP STABILIZER PLUS (BUF052B)
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