Datasheet: HCA061P

| Description: | HUMAN ANTI RITUXIMAB:HRP |
| Specification: | RITUXIMAB |
| Other names: | MabThera®, Rituxan® |
| Format: | HRP |
| Product Type: | Monoclonal Antibody |
| Clone: | AbD02842 |
| 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>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
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<tbody>
<tr>
<td>ELISA</td>
<td>-</td>
<td></td>
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<td>1/100 - 1/1000</td>
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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.

**Product Form**
A bivalent human recombinant Fab (lambda light chain) 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 (HHHHHH) 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 Stabilisers**
0.01% Thiomersal
HRP Stabiliser ([BUF052A](http://www.bio-rad-antibodies.com/products/BUF052A))

**Approx. Protein Concentrations**
Antibody concentration 0.1mg/ml

**Immunogen**
Rituximab

**Specificity**
Human anti Rituximab antibody, clone AbD02842 recognizes the rituximab humanized monoclonal antibody. Rituximab is a therapeutic reagent directed against the human CD20 cell surface antigen.

Human anti Rituximab antibody, clone AbD02842 does not recognize other CD20 antibodies.
Affinity

The monovalent intrinsic affinity of this antibody was measured as K_D=4.9 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.

References


Storage

Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. 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 (HCA062)
RAT ANTI RITUXIMAB (MCA2260)
RAT ANTI RITUXIMAB:FITC (MCA2260F)
HUMAN ANTI RITUXIMAB (HCA186)
AbGUARD® HRP STABILIZER PLUS (BUF052A)
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