Datasheet: MCA6091

**Description:** HUMAN ANTI CD20 (RITUXIMAB BIOSIMILAR)

**Specificity:** CD20

**Format:** Purified

**Product Type:** Monoclonal Antibody

**Clone:** 10F381

**Isotype:** IgG1

**Quantity:** 0.2 mg

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**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>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>ELISA</td>
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</tbody>
</table>

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**

Human

**Product Form**

Human IgG1 (kappa) antibody - liquid

**Preparation**

Purified IgG prepared by affinity chromatography on Protein A

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

0.02% Proclin 300

**Approx. Protein Concentrations**

IgG concentration 1.0 mg/ml

**Immunogen**

Human lymphoblastoid cell line SB

**Specificity**

**Human Anti-CD20 antibody, clone 10F381** is a research grade biosimilar of the monoclonal antibody drug rituximab. It is a recombinant human IgG1 kappa antibody with variable regions from the therapeutic rituximab antibody clone 10F381.

This antibody is for research use only. It is suitable as a reference standard in a pharmacokinetic (PK) bridging ELISA with anti-rituximab antibodies, for example [HCA186](http://example.com) and [HCA201](http://example.com). It can also be used as capture and detection reagent in an anti-drug antibody (ADA) bridging ELISA, with an anti-rituximab antibody in IgG1 format as a reference standard, for example [HCA201](http://example.com).
Rituximab is a chimeric monoclonal antibody with murine variable region and human constant domains. It targets CD20, a protein found on the surface of B cells. Binding of the drug to its target triggers cell death through a number of mechanisms, including apoptosis, complement activation and cell-mediated cytotoxicity. Rituximab has been approved for the treatment of B cell malignancies, transplant rejection and autoimmune disorders.

This product is NOT FOR THERAPEUTIC USE.

View a summary of supporting anti-rituximab antibody products.

<table>
<thead>
<tr>
<th>Purity</th>
<th>&gt;98% by SDS PAGE</th>
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<tbody>
<tr>
<td>Storage</td>
<td>Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. 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.</td>
</tr>
<tr>
<td>Guarantee</td>
<td>12 months from date of despatch</td>
</tr>
<tr>
<td>Licensed Use</td>
<td>For in vitro research purposes only. Research grade biosimilar. Not for use in therapeutic or diagnostic procedures for humans or animals.</td>
</tr>
<tr>
<td>Regulatory</td>
<td>For research purposes only</td>
</tr>
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</table>

**Recommended Products**

**Recommended Useful Reagents**

- LYNX RAPID HRP ANTIBODY CONJUGATION KIT (LNK001P)
- HISPEC ASSAY DILUENT (BUF049A)
- HUMAN ANTI RITUXIMAB (HCA061)
- HUMAN ANTI RITUXIMAB-HRP (HCA061P)
- HUMAN ANTI RITUXIMAB (HCA062)
- HUMAN ANTI RITUXIMAB-HRP (HCA062P)
- HUMAN ANTI RITUXIMAB (HCA186)
- HUMAN ANTI RITUXIMAB (HCA201)
- RAT ANTI RITUXIMAB:FITC (MCA2260F)
- RAT ANTI RITUXIMAB:HRP (MCA2260P)
- RAT ANTI RITUXIMAB (MCA2260)