

Datasheet: MCA6091

Description:	HUMAN ANTI CD20 (RITUXIMAB BIOSIMILAR)
Specificity:	CD20
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	10F381
Isotype:	IgG1
Quantity:	0.2 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.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			

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 recombinant IgG prepared by affinity chromatography on Protein A from a mammalian cell line
Source	HEK
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. This product is supplied in a research grade format, i.e. in PBS buffer with preservative, it is not manufactured or formulated in the same way as the therapeutic reference product. A preservative free version is available [on request](#).

This product 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](#) and [HCA201](#). 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](#).

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.](#)

Purity	>98% by SDS PAGE
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch
Acknowledgements	ProClin is a trademark of The Dow Chemical Company (“Dow”) or an affiliated company of Dow.
Health And Safety Information	Material Safety Datasheet documentation #20463 available at: https://www.bio-rad-antibodies.com/SDS/MCA6091 20463
Licensed Use	For in vitro research purposes only. Research grade biosimilar. Not for use in therapeutic or diagnostic procedures for humans or animals.
Regulatory	For research purposes only

Related Products

Recommended Useful Reagents

[LYNX RAPID HRP ANTIBODY CONJUGATION KIT \(LNK001P\)](#)

[HISPEC ASSAY DILUENT \(BUF049A\)](#)

[HUMAN ANTI RITUXIMAB \(HCA061\)](#)

[HUMAN ANTI RITUXIMAB \(HCA062\)](#)

[HUMAN ANTI RITUXIMAB \(HCA186\)](#)

[HUMAN ANTI RITUXIMAB \(HCA201\)](#)

[RAT ANTI RITUXIMAB:FITC \(MCA2260F\)](#)

[RAT ANTI RITUXIMAB:HRP \(MCA2260P\)](#)

[RAT ANTI RITUXIMAB \(MCA2260\)](#)

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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

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