

## Datasheet: MCA6101

<b>Description:</b>	HUMAN ANTI CD52 (ALEMTUZUMAB BIOSIMILAR)
<b>Specificity:</b>	CD52
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	Campath-1H
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human
<b>Product Form</b>	Human IgG1 (kappa) antibody - liquid
<b>Preparation</b>	Purified recombinant IgG prepared by affinity chromatography on Protein A from a mammalian cell line
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.02% Proclin 300
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	Human lymphocytes
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P31358</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">1043</a>   CD52   <a href="#">Related reagents</a></p>

**Synonyms** CDW52, HE5

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**Specificity** **Human Anti-CD52 Antibody**, clone Campath-1H is a research grade biosimilar of the monoclonal antibody drug alemtuzumab. It is a recombinant human IgG1 kappa antibody with variable regions from the therapeutic antibody Campath-1H.

Human Anti-CD52 Antibody is for research use only. It is suitable as a reference standard in a pharmacokinetic (PK) bridging ELISA with anti-alemtuzumab antibodies, for example [HCA198](#) and [HCA175](#). It can also be used as capture and detection reagent in an anti-drug antibody (ADA) bridging ELISA, with an anti-alemtuzumab antibody in IgG1 format as reference standard, for example HCA175.

Alemtuzumab is a drug used in the treatment of chronic lymphocytic leukemia (CLL), cutaneous T-cell lymphoma (CTCL) and T-cell lymphoma. Alemtuzumab is also used in some conditioning regimes for bone marrow transplantation, kidney transplantation and islet cell transplantation along with clinical trial protocols for treatment of certain autoimmune diseases including multiple sclerosis.

This product is NOT FOR THERAPEUTIC USE.

[View a summary of supporting anti-alemtuzumab antibody products](#)

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**Purity** >98% by SDS PAGE

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**Storage** 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.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #20463 available at:  
20463: <https://www.bio-rad-antibodies.com/uploads/MSDS/20463.pdf>

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**Licensed Use** For in vitro research purposes only. Research grade biosimilar. Not for use in therapeutic or diagnostic procedures for humans or animals.

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**Regulatory** For research purposes only

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## Related Products

### Recommended Useful Reagents

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

[LYNX RAPID HRP ANTIBODY CONJUGATION KIT \(LNK002P\)](#)

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