

Datasheet: MCA6141

Description:	HUMAN ANTI TNF ALPHA (ADALIMUMAB BIOSIMILAR)
Specificity:	TNF ALPHA
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	D2E7
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	HKB-11
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Human TNF α

Specificity

Human Anti-TNF alpha antibody, clone D2E7 is a research grade biosimilar of the monoclonal antibody drug adalimumab. It is a recombinant human IgG1 kappa antibody with variable regions from the therapeutic adalimumab antibody clone D2E7. 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](#).

Human Anti-TNF alpha antibody, clone D2E7 is for research use only. It is suitable as a reference standard in a pharmacokinetic (PK) bridging ELISA with anti-adalimumab antibodies, for example [HCA202](#) and [HCA203](#). It can also be used as capture and detection reagent in an anti-drug antibody (ADA) bridging ELISA, with an anti-adalimumab antibody in IgG1 format as reference standard, for example [HCA203](#), [HCA204](#) or [HCA205](#), or an anti-adalimumab antibody in IgE format as reference standard, for example [HCA271](#).

The therapeutic antibody adalimumab (Humira) is a fully human monoclonal antibody (IgG1 kappa) approved for the treatment of ankylosing spondylitis, Crohn's disease, psoriasis and several forms of arthritis. The antibody is specific for TNF alpha, and acts by blocking the activation of TNF receptors by TNF alpha. This inactivation down-regulates the inflammatory reactions associated with autoimmune diseases.

This product is NOT FOR THERAPEUTIC USE.

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

Purity	>98% by SDS PAGE
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Storage	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. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.
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Guarantee	12 months from date of despatch
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Acknowledgements	This product and/or its use is covered by claims of U.S. patents, and/or pending U.S. and non-U.S. patent applications owned by or under license to Bio-Rad Laboratories, Inc. See bio-rad.com/en-us/trademarks for details.
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Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA6141 10040
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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

[HUMAN ANTI ADALIMUMAB \(HCA202\)](#)

[HUMAN ANTI ADALIMUMAB \(HCA203\)](#)

[HUMAN ANTI ADALIMUMAB \(HCA204\)](#)

[HUMAN ANTI ADALIMUMAB:HRP \(HCA204P\)](#)

[HUMAN ANTI ADALIMUMAB \(HCA205\)](#)

[HUMAN ANTI ADALIMUMAB \(DRUG/TARGET COMPLEX\) \(HCA206\)](#)

[HUMAN ANTI ADALIMUMAB \(DRUG/TARGET COMPLEX\) \(HCA207\)](#)

[HUMAN ANTI ADALIMUMAB \(DRUG/TARGET COMPLEX\) \(HCA231\)](#)

[HUMAN ANTI ADALIMUMAB \(DRUG/TARGET COMPLEX\) \(HCA232\)](#)

[HUMAN ANTI ADALIMUMAB \(DRUG/TARGET COMPLEX\):HRP \(HCA232P\)](#)

[HUMAN ANTI ADALIMUMAB \(HCA271\)](#)

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

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

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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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