

Datasheet: HCA438

Description:	HUMAN ANTI ELOTUZUMAB
Specificity:	ELOTUZUMAB
Other names:	Empliciti
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD60180ia
Isotype:	IgG1
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.

	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.

Product Form	Human IgG1 antibody (lambda light chain) selected from the HuCAL phage display library and expressed in a human cell line. This product is supplied as a liquid.
Preparation	Purified IgG prepared by affinity chromatography on Protein A
Source	HKB-11
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	Antibody concentration 0.5 mg/ml
Immunogen	Elotuzumab

Specificity **Human Anti-Elotuzumab Antibody, clone AbD60180ia** is a paratope specific, inhibitory, anti-idiotypic antibody (Type 1) that specifically recognizes the free human monoclonal antibody drug elotuzumab, and its biosimilar products. It does not recognize the drug target, signalling lymphocytic activation molecule family member 7 protein (SLAMF7), nor elotuzumab in complex with SLAMF7. This antibody can be used to measure free elotuzumab levels in serum from patients.

HCA438 is a fully human recombinant monoclonal antibody with IgG1 isotype and is suitable as a surrogate positive control or calibrator in an anti-drug antibody (ADA) assay. This antibody has a monovalent intrinsic affinity of 3.7nM and is one of the three antibodies offered for ADA assays. Antibody [HCA439](#) has an affinity of 0.9nM and [HCA440](#) has an affinity of 0.7nM.

Elotuzumab (trade name Empliciti) is a humanized monoclonal antibody of the IgG1/kappa isotype that targets SLAMF7 and directly activates Natural Killer cells through both the SLAMF7 pathway and immunostimulatory Fc receptor binding. Elotuzumab also targets SLAMF7 on myeloma cells and facilitates the interaction with Natural Killer cells to mediate the killing of myeloma cells through antibody-dependent cellular cytotoxicity (ADCC). Elotuzumab is indicated to treat multiple myeloma and in combination with lenalidomide and dexamethasone for the treatment of patients with multiple myeloma.

[View a summary of all anti-elotuzumab antibodies](#)

Affinity The monovalent intrinsic affinity of Human Anti-Elotuzumab Antibody, clone AbD60180ia was measured as $K_D = 3.7 \text{ nM}$ by real time, label-free molecular interaction analysis on immobilized elotuzumab.

ELISA Clone AbD60180ia can be used in indirect ELISA to detect elotuzumab. It can also be used as a surrogate positive control or a calibrator in an anti-drug antibody (ADA) assay, together with [HCA439](#) and [HCA440](#).

Protocol: [ADA bridging ELISA](#)

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 $2-8^\circ\text{C}$ 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.

Guarantee 12 months from date of despatch

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.
Empliciti is a registered trademark of Bristol-Myers Squibb and AbbVie Inc.

Health And Safety Information Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/HCA438>

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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

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

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

[HUMAN ANTI ELOTUZUMAB \(HCA439\)](#)

[HUMAN ANTI ELOTUZUMAB \(HCA440\)](#)

[HUMAN ANTI ELOTUZUMAB \(TZA0115\)](#)

[HUMAN ANTI ELOTUZUMAB \(TZA0116\)](#)

[HUMAN ANTI ELOTUZUMAB:HRP \(TZA0116P\)](#)

Product inquiries: www.bio-rad-antibodies.com/technical-support

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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