

Datasheet: HCA352

BATCH NUMBER 161478

Description:	HUMAN ANTI BRENTUXIMAB VEDOTIN
Specificity:	BRENTUXIMAB VEDOTIN
Other names:	Adcetris
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD39659ia
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 (kappa light chain) selected from the HuCAL® phage display library and expressed in a human cell line. This antibody is supplied as a liquid.
Preparation	Purified IgG prepared by affinity chromatography on Protein A
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.01% Thiomersal
Approx. Protein Concentrations	Antibody concentration 0.5 mg/ml
Immunogen	Brentuximab vedotin
Specificity	Human Anti-Brentuximab vedotin Antibody, clone AbD39659ia is a paratope specific,

inhibitory anti-idiotypic antibody that specifically recognizes the monoclonal antibody drug brentuximab, both alone and as the antibody drug conjugate (ADC), brentuximab vedotin.

Clone AbD39659ia is a fully human recombinant monoclonal antibody with IgG1 isotype and is suitable as a surrogate positive control or reference standard in an anti-drug antibody (ADA) assay. This antibody has a monovalent intrinsic affinity of 1.4 nM and is one of three antibodies with different affinities offered for ADA assays. Antibody [HCA350](#) has affinity 6 nM and [HCA351](#) has affinity 0.7 nM.

Brentuximab vedotin (Adcetris) is a chimeric mouse/human IgG1 kappa ADC, approved by the FDA for the treatment of Hodgkin's lymphoma (HL) and systemic anaplastic large cell lymphoma (ALCL). The brentuximab antibody selectively targets tumor cells expressing the cell membrane protein CD30, and delivers the conjugated toxin, monomethyl auristatin E (MMAE). Once inside the cell the MMAE is released from the antibody by proteolytic cleavage and disrupts the microtubule network inducing cell cycle arrest and apoptosis of the malignant cells, thereby preventing tumor growth and proliferation.

[View a summary of all brentuximab vedotin antibodies](#)

Affinity	The monovalent intrinsic affinity of AbD39659ia was measured as $K_D = 1.4$ nM by real time, label free molecular interaction analysis on immobilized brentuximab vedotin.
ELISA	Clone AbD39659ia can be used as a surrogate positive control or calibrator in an anti-drug antibody assay. 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°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. Adcentris is a trademark of Seattle Genetics.
Health And Safety Information	Material Safety Datasheet documentation #10094 available at: https://www.bio-rad-antibodies.com/SDS/HCA352 10094
Licensed Use	For in vitro research purposes and for commercial applications for the provision of in vitro testing services to support preclinical and clinical drug development. Any re-sale in any

form or any other commercial application needs a written agreement with Bio-Rad.

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

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

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

[HUMAN ANTI BRENTUXIMAB VEDOTIN \(HCA349\)](#)

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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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