

Datasheet: HCA349

**BATCH NUMBER 161479**

<b>Description:</b>	HUMAN ANTI BRENTUXIMAB VEDOTIN
<b>Specificity:</b>	BRENTUXIMAB VEDOTIN
<b>Other names:</b>	Adcetris
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	AbD39649ca
<b>Isotype:</b>	HuCAL Fab monovalent
<b>Quantity:</b>	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](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.

### Product Form

A monovalent human recombinant Fab (kappa light chain) selected from the HuCAL® phage display library, expressed in *E. coli*. The antibody is tagged with a DYKDDDDK tag and a HIS-tag (HHHHHH) at the C-terminus of the antibody heavy chain. This antibody is supplied as a liquid.

### Preparation

Metal chelate affinity chromatography

### Buffer Solution

Phosphate buffered saline

### Preservative Stabilisers

0.01% Thiomersal

### Approx. Protein Concentrations

Antibody concentration 0.5 mg/ml

### Immunogen

Brentuximab vedotin

<b>Specificity</b>	<p><b>Human Anti-Brentuximab vedotin Antibody, clone AbD39649ca</b> 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.</p> <p>A pair of antibodies can be used to develop a pharmacokinetic (PK) bridging assay to measure free drug. This antibody, in monovalent Fab format, is recommended as the capture antibody, paired with Anti-Brentuximab vedotin Antibody in full immunoglobulin format, clone AbD39655ia (<a href="#">HCA351</a>) as the detection antibody.</p> <p>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.</p> <p><a href="#">View a summary of all brentuximab vedotin antibodies</a></p>
<b>Affinity</b>	<p>The monovalent intrinsic affinity of AbD39649ca was measured as <math>K_D = 1.3</math> nM by real time, label free molecular interaction analysis on immobilized brentuximab vedotin.</p>
<b>ELISA</b>	<p>Clone AbD39649ca can be used as capture antibody for brentuximab vedotin in a bridging ELISA together with HCA351 as the detection reagent.</p> <p>Protocol: <a href="#">PK bridging ELISA</a></p>
<b>Storage</b>	<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>
<b>Guarantee</b>	<p>12 months from date of despatch</p>
<b>Acknowledgements</b>	<p>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 <a href="http://bio-rad.com/en-us/trademarks">bio-rad.com/en-us/trademarks</a> for details.</p> <p>His-tag is a registered trademark of EMD Biosciences.</p> <p>Adcetris is a trademark of Seattle Genetics.</p>
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #10094 available at: <a href="https://www.bio-rad-antibodies.com/SDS/HCA349">https://www.bio-rad-antibodies.com/SDS/HCA349</a> 10094</p>
<b>Licensed Use</b>	<p>For in vitro research purposes and for commercial applications for the provision of in vitro</p>

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.

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**Regulatory** For research purposes only

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**Technical Advice** Recommended protocols and further information about HuCAL recombinant antibody technology can be found in the [HuCAL Antibodies Technical Manual](#)

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## Related Products

### Recommended Useful Reagents

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

[MOUSE ANTI PENTA HISTIDINE TAG:HRP \(MCA5995P\)](#)

[HUMAN ANTI BRENTUXIMAB VEDOTIN \(HCA350\)](#)

[HUMAN ANTI BRENTUXIMAB VEDOTIN \(HCA351\)](#)

[HUMAN ANTI BRENTUXIMAB VEDOTIN \(HCA352\)](#)

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

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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](https://bio-rad-antibodies.com/datasheets)

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