

Datasheet: TZA0146P

BATCH NUMBER 172702

Description:	HUMAN ANTI BRENTUXIMAB VEDOTIN:HRP
Specificity:	BRENTUXIMAB VEDOTIN
Other names:	Adcetris
Format:	HRP
Product Type:	Monoclonal Antibody
Clone:	AbD39655pap
Isotype:	Fab antibody
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

A bivalent human recombinant Fab (kappa light chain) generated by coupling of the monovalent SpyTagged Fab with a HRP conjugated BiSpyCatcher version 2 ([TZC002P](#)). The coupled antibody has two DYKDDDDK tags and three His6-tags. It contains SpyTag3 peptide ([BLP086](#)) in 5-fold molar excess to block any unreacted Catcher sites. This antibody is supplied as a liquid.

Preparation

Metal chelate affinity chromatography

Source

E.coli

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.0095% MIT

Approx. Protein

Antibody concentration 0.5 mg/ml

Concentrations

Immunogen Brentuximab vedotin

Specificity **Human Anti-Brentuximab Vedotin Antibody, clone AbD39655pap** is a paratope specific, inhibitory anti-idiotypic antibody that specifically recognizes the monoclonal antibody drug brentuximab. It does not recognize free CD30 nor Brentuximab in complex with CD30.

TZA0146P, clone AbD39655pap is a bivalent Fab antibody already conjugated to HRP via coupling to the HRP conjugated BiSpyCatcher2 ([TZC002P](#)) for use in direct ELISA.

A pair of anti-brentuximab antibodies can be used to develop a pharmacokinetic (PK) bridging assay to measure free drug. Clone AbD39655pap is recommended as the detection antibody, paired with Human Anti-Brentuximab Vedotin Antibody in monovalent Fab format, clone AbD39649ca ([HCA349](#)) as the capture antibody.

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 intrinsic affinity of the monovalent form of Human anti brentuximab vedotin antibody, clone AbD39655pap is $K_D = 0.7$ nM as measured by real time, label free molecular interaction analysis on immobilized brentuximab.

ELISA Clone AbD39655pap can be used in direct or indirect ELISA to detect brentuximab. It can also be used as a detection antibody to develop a pharmacokinetic (PK) bridging ELISA for aflibercept together with [HCA349](#) as the capture reagent.

Protocol: [PK bridging ELISA](#)

Storage This product is shipped frozen.
When ready to use, thaw and aliquot the sample as needed. Store aliquots at -70°C, if available, otherwise store at -20°C. It is not recommended to keep aliquots at 4°C for more than one week

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 #20479 available at: https://www.bio-rad-antibodies.com/SDS/TZA0146P
Licensed Use	For <i>in vitro</i> research purposes and for commercial applications for the provision of <i>in vitro</i> 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 for coupling a Fab antibody with a SpyTag to a SpyCatcher can be found at SpyTag and SpyCatcher Products , 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 \(BUF049A\)](#)

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

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

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

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

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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