

Datasheet: HCA167

BATCH NUMBER 173381

Description:	HUMAN ANTI TRASTUZUMAB
Specificity:	TRASTUZUMAB
Other names:	HERCEPTIN®
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD16714
Isotype:	HuCAL Fab monovalent
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 monovalent human recombinant Fab (lambda light chain) selected from the HuCAL phage display library, expressed in *E. coli*. The antibody is tagged with a V5 tag and a double extended Strep-tag at the C-terminus of the antibody heavy chain. Supplied as a liquid.

Preparation

StrepTactin affinity chromatography

Source

E.coli

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% sodium azide (NaN₃)

Approx. Protein Concentrations

Antibody concentration 0.5 mg/ml

Immunogen	Herceptin
RRID	AB_11152781
Specificity	<p>Trastuzumab, also known as Herceptin, is a drug used in the treatment of HER2 positive breast cancer and other HER2 overexpressing cancers including HER2-positive metastatic cancers of the gastrointestinal tract. Herceptin binds to the HER2 (or c-erbB2) proto-oncogene, an EGF receptor-like protein found on 20-30% of breast cancer cells. The binding leads to antibody mediated (complement mediated) killing of the HER2 positive cells.</p> <p>Clone AbD16714 is an anti-idiotypic antibody that specifically recognizes the Herceptin humanized monoclonal antibody and can be used to measure the Heceptin levels in serum from patients.</p> <p>Clone AbD16714 has been demonstrated to inhibit the Herceptin - HER2 interaction. Removal of the preservative is recommended prior to use in functional assays.</p>
Affinity	The intrinsic affinity of the monovalent form of Human anti Trastuzumab antibody, clone AbD16714 is 2.5nM as measured by real time, label-free molecular interaction analysis using an Attana A200 instrument on immobilized Herceptin.
ELISA	This product may be used in a direct ELISA or as a detection reagent in a sandwich ELISA, when conjugated to HRP, together with HCA169 as the capture reagent. Protocol: PK bridging ELISA to measure free drug .
Storage	<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>
Guarantee	12 months from date of despatch
Acknowledgements	<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 bio-rad.com/en-us/trademarks for details.</p> <p>Herceptin® is a registered trademark of Genentech, Inc.</p>
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/HCA167
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 and further information about HuCAL recombinant antibody technology can be found in the [HuCAL Antibodies Technical Manual](#).

This antibody contains Strep-tag and will react with streptavidin.

Related Products

Recommended Secondary Antibodies

Mouse Anti Synthetic Peptide STREP-TAG IMMO (MCA2488...) [Purified](#)

Mouse Anti Synthetic Peptide STREP-TAG CLASSIC (MCA2489...) [HRP](#)

Mouse Anti Viral V5-TAG (MCA1360...) [Biotin](#), [HRP](#)

Recommended Useful Reagents

[MOUSE ANTI HUMAN IgG \(Fc\) CH2 DOMAIN:HRP \(MCA647P\)](#)

[HUMAN ANTI TRASTUZUMAB \(HCA169\)](#)

[HUMAN ANTI TRASTUZUMAB \(HCA168\)](#)

[HUMAN ANTI TRASTUZUMAB \(HCA166\)](#)

[HUMAN ANTI TRASTUZUMAB \(HCA176\)](#)

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

[HUMAN ANTI TRASTUZUMAB \(HCA177\)](#)

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
'M430143:240503'

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