

Datasheet: HCA166

BATCH NUMBER 174330

Description:	HUMAN ANTI TRASTUZUMAB
Specificity:	TRASTUZUMAB
Other names:	HERCEPTIN®
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD16712
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 (NaN ₃)
Approx. Protein Concentrations	Antibody concentration 0.5 mg/ml

Immunogen	Herceptin
RRID	AB_11152937
Specificity	Human anti Trastuzumab antibody, clone AbD16712 a monoclonal antibody recognizes 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. Human anti Trastuzumab (AbD16712) is an anti-idiotypic antibody that specifically recognizes the Herceptin humanised monoclonal antibody and can be used to measure the Heceptin levels in serum from patients. This clone has been demonstrated to inhibit the Herceptin - HER2 interaction. Removal of the preservative is recommended prior to use in functional assays.
Affinity	The monovalent intrinsic affinity of this antibody was measured as $K_D=0.2$ nM by real time, label-free molecular interaction analysis on immobilized trastuzumab.
ELISA	This product may be used as a detection antibody, or as capture antibody in a sandwich ELISA together with HCA168, when conjugated to HRP, as the detection reagent. Protocol: PK bridging ELISA to measure free drug
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. Herceptin® is a registered trademark of Genentech, Inc.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/HCA166
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 \(HCA167\)](#)

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

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

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

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

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

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
'M443054:250619'

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