

Datasheet: HCA265P

BATCH NUMBER 162313

Description:	HUMAN ANTI PANITUMUMAB:HRP
Specificity:	PANITUMUMAB
Other names:	VECTIBIX®
Format:	HRP
Product Type:	Monoclonal Antibody
Clone:	AbD23897_hIgG1
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 (lambda light chain) selected from the HuCAL® phage display library and expressed in a human cell line. Conjugated to horseradish peroxidase (HRP) - liquid.
Preparation	Purified IgG prepared by affinity chromatography on Protein A
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.01% Thiomersal
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Panitumumab

Specificity **Human anti panitumumab, clone AbD23897_hlgG1**, is a paratope specific, high affinity, anti-idiotypic antibody that specifically recognizes the fully human monoclonal antibody drug panitumumab and inhibits it binding to its target, epidermal growth factor receptor (EGFR). The antibody can be used to measure the levels of panitumumab and biosimilar products in bioanalytical assays.

Clone AbD23897_hlgG1 is a fully human recombinant monoclonal antibody with IgG1 isotype and is suitable as a reference standard in an anti-drug antibody (ADA) assay. Additionally the antibody can be used to develop a pharmacokinetic (PK) bridging assay to measure free drug. This antibody, in full immunoglobulin format, is recommended as the detection antibody, paired with the antibody clone AbD23894 ([HCA264](#)) in monovalent Fab format, as the capture antibody.

Panitumumab (Vectibix®) is a fully human monoclonal antibody (IgG2/kappa) specific to the transmembrane protein EGFR. The drug binds to the extracellular domain of the EGFR, inhibiting the activation of the intracellular signaling cascade. It is approved by the FDA and EMA for the treatment of EGFR-expressing metastatic colorectal cancer.

[View a summary of all anti panitumumab antibodies](#)

Affinity	The monovalent intrinsic affinity of this antibody was measured as $K_D = 0.3$ nM by real time, label free molecular interaction analysis on immobilized panitumumab.
ELISA	This product may be used as a detection antibody together with HCA264 as the capture reagent. Protocol: PK bridging ELISA to measure free drug
References	1. Kashiwagi, N. <i>et al.</i> (2017) Method for measuring anti-drug antibody US Patent Application US20170315118A1
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.
Health And Safety Information	Material Safety Datasheet documentation #10094 available at: https://www.bio-rad-antibodies.com/SDS/HCA265P10094
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

[HUMAN ANTI PANITUMUMAB \(HCA264\)](#)

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

[HUMAN ANTI PANITUMUMAB \(HCA266\)](#)

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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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