

Datasheet: HCA265P

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 0.1 mg/ml

Immunogen

Panitumumab

Specificity

Human anti panitumumab, clone AbD23897_hIgG1, 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_hIgG1 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	Store at -70°C. Storage in frost-free freezers is not recommended. This product should be stored undiluted.
Guarantee	12 months from date of despatch
Acknowledgements	Sold under license of U.S. Patents 6753136, 7785859 and 8273688 and corresponding patents. This antibody was developed by Bio-Rad, Zeppelinstr. 4, 82178 Puchheim, Germany.
Health And Safety Information	Material Safety Datasheet documentation #10094 available at: 10094: https://www.bio-rad-antibodies.com/uploads/MSDS/10094.pdf
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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