Datasheet: HCA329P

Description:	HUMAN ANTI IPILIMUMAB:HRP
Specificity:	IPILIMUMAB
Other names:	Yervoy
Format:	HRP
Product Type:	Monoclonal Antibody
Clone:	AbD34429ia
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 (kappa light chain) selected from the HuCAL® phage display library and expressed in a human cell line. This antibody is conjugated to horseradish peroxidase (HRP) and supplied as a liquid.

Preparation

Purified IgG prepared by affinity chromatography on Protein A

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.01% Thiomersal

Approx. Protein Concentrations

Antibody concentration 0.1 mg/ml

Immunogen

Ipilimumab

Specificity

Human Anti-Ipilimumab Antibody, clone AbD34429ia is a paratope specific, inhibitory

anti-idiotypic antibody that specifically recognizes the monoclonal antibody ipilimumab. It does not recognize free human CTLA-4 (cytotoxic T-lymphocyte antigen-4) or ipilimumab in complex with CTLA-4.

A pair of anti-ipilimumab antibodies can be used to develop a pharmacokinetic (PK) bridging assay to measure free drug. This antibody is recommended as the detection antibody, paired with an anti-ipilimumab antibody in monovalent Fab format, clone AbD34433 (HCA330), as the capture antibody.

Clone AbD34429ia is a fully human recombinant monoclonal antibody with IgG1 isotype and is suitable as a surrogate positive control or or reference standard in an anti-drug antibody (ADA) assay. This antibody has a monovalent intrinsic affinity of 1 nM, and is one of three antibodies with different affinities offered for ADA assays. Antibody HCA327 has affinity 16 nM and HCA328 has affinity 0.3 nM.

Ipilimumab (Yervoy) is a human IgG1/kappa antibody developed from a transgenic mouse. It has been approved by the FDA for the treatment of metastatic melanoma, renal cell carcinoma, and in combination with nivolumab for the treatment of previously treated microsatellite instability-high/deficient mismatch repair (MSI-H/dMMR) metastatic colorectal cancer. Ipilimumab activates the immune system by targeting CTLA-4, a protein receptor that downregulates the immune system. The action of cytotoxic T lymphocytes (CTLs) to recognize and destroy cancer cells is subject to an inhibitory mechanism that interrupts this destruction. Ipilimumab turns off this inhibitory mechanism and allows CTLs to function.

View a summary of all anti-ipilimumab antibodies

Affinity	The monovalent intrinsic affinity of AbD34429ia was measured as K_D = 1 nM by real time, label free molecular interaction analysis on immobilized ipilimumab.
ELISA	Clone AbD34429ia can be used in a direct ELISA or as the detection antibody for ipilimumab in a bridging ELISA together with HCA330 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. Yervoy is a trademark of Bristol-Myers Squibb Company.
Health And Safety	Material Safety Datasheet documentation #10094 available at:

Information	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

HISPEC ASSAY DILUENT (BUF049A)
HUMAN ANTI IPILIMUMAB (HCA327)
HUMAN ANTI IPILIMUMAB (HCA328)
HUMAN ANTI IPILIMUMAB (HCA330)
HUMAN ANTI IPILIMUMAB (DRUG/TARGET COMPLEX) (HCA331)
HUMAN ANTI IPILIMUMAB (HCA329)

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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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