

Datasheet: HCA369

Description:	HUMAN ANTI CEMIPILIMAB
Specificity:	CEMIPILIMAB
Other names:	Libtayo
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD41951ia
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. This antibody is supplied as a liquid.
Preparation	Purified IgG prepared by affinity chromatography on Protein A
Source	HKB-11
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	Antibody concentration 0.5 mg/ml
Immunogen	Cemiplimab

Specificity **Human Anti-Cemiplimab Antibody, clone AbD41951ia** is a paratope specific, inhibitory anti-idiotypic antibody that specifically recognizes the fully human monoclonal antibody cemiplimab. It does not recognize free human programmed death receptor-1 (PD-1) nor cemiplimab in complex with PD-1. The antibody can be used to measure free cemiplimab in patient samples.

Clone AbD41951ia is a fully human recombinant monoclonal antibody with IgG1 isotype and can be used as a surrogate positive control or reference standard in an anti-drug antibody (ADA) assay. This antibody has a monovalent intrinsic affinity of 9 nM, and is one of three antibodies with different affinities offered for ADA assays.

Cemiplimab (Libtayo) is a fully human IgG4/kappa antibody. It has been approved for the treatment of patients with metastatic cutaneous squamous cell carcinoma (CSCC) and for the first-line treatment of patients with advanced non-small cell lung cancer (NSCLC) whose tumours have high PD-L1 expression. Cemiplimab acts as a checkpoint inhibitor by binding to the PD-1 receptor and blocking its interaction with PD-L1 and PD-L2 ligands.

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

Affinity	The intrinsic affinity of the monovalent form of Human anti Cemiplimab antibody, clone AbD41951ia is $K_D = 9$ nM as measured by real time, label free molecular interaction analysis on immobilized Cemiplimab.
ELISA	Human anti Cemiplimab antibody, clone AbD41951ia can be used as a calibrator in an anti-drug antibody assay. Protocol: ADA bridging ELISA .
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>Libtayo is a trademark of Regeneron Pharmaceuticals, Inc.</p>
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/HCA369 10040
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](#).

Related Products

Recommended Useful Reagents

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

[LYNX RAPID HRP ANTIBODY CONJUGATION KIT \(LNK002P\)](#)

[HUMAN ANTI CEMIPILIMAB \(HCA367\)](#)

[HUMAN ANTI CEMIPILIMAB \(HCA368\)](#)

[HUMAN ANTI CEMIPILIMAB \(TZA006\)](#)

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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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