

Datasheet: HCA367

**BATCH NUMBER 173175**

<b>Description:</b>	HUMAN ANTI CEMIPILIMAB
<b>Specificity:</b>	CEMIPILIMAB
<b>Other names:</b>	Libtayo
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	AbD41949ia
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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.

<b>Product Form</b>	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.
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A
<b>Source</b>	HKB-11
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	Antibody concentration 0.5 mg/ml
<b>Immunogen</b>	Cemiplimab

**Specificity** **Human Anti-Cemiplimab Antibody, clone AbD41949ia** 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.

Clone AbD41949ia 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 6 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](#)

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**Affinity** The intrinsic affinity of the monovalent form of Human anti Cemiplimab antibody, clone AbD41949ia is  $K_D = 6$  nM as measured by real time, label free molecular interaction analysis on immobilized Cemiplimab.

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**ELISA** Human anti Cemiplimab antibody, clone AbD41949ia can be used as a calibrator in an anti-drug antibody assay.

Protocol: [ADA bridging ELISA](#).

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**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.

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**Guarantee** 12 months from date of despatch

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Libtayo is a trademark of Regeneron Pharmaceuticals, Inc.

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**Health And Safety Information** Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/HCA367>

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**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.

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**Regulatory** For research purposes only

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**Technical Advice** Recommended protocols and further information about HuCAL recombinant antibody technology can be found in the [HuCAL Antibodies Technical Manual](#).

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## Related Products

### Recommended Useful Reagents

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

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

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

[HUMAN ANTI CEMIPILIMAB \(HCA369\)](#)

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

**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://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](http://bio-rad-antibodies.com/datasheets)  
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