

Datasheet: HCA449

Description:	HUMAN ANTI DULAGLUTIDE
Specificity:	Dulaglutide
Other names:	Trulicity
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD64818ia
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 Bio-Rad's human antibody phage display libraries expressed in a human cell line. This product 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	Dulaglutide

Specificity	<p>Human Anti-Dulaglutide Antibody, clone AbD64818ia is specific for human GLP-1 and its peptidase-IV-protected analog present in the human IgG4-Fc fusion protein dulaglutide.</p> <p>HCA449 is a fully human recombinant monoclonal antibody with IgG1 isotype and is suitable as a surrogate positive control or calibrator in an anti-drug antibody (ADA) assay. This antibody has a monovalent intrinsic affinity of 2.0nM.</p> <p>Dulaglutide (trade name Trulicity) is a fusion protein, combining a modified GLP-1 analogue with a human IgG4-Fc heavy chain. It binds to GLP-1 and activates the GLP-1 receptor found in the pancreatic beta cells increasing intracellular cyclic AMP in beta cells, leading to insulin release and subsequent reduction of blood glucose concentrations. Dulaglutide is indicated for the management of type 2 diabetes and reduce major adverse cardiovascular events.</p> <p>View a summary of all anti-dulaglutide antibodies</p>
Affinity	The intrinsic affinity of the monovalent form of Human Anti-Dulaglutide Antibody, clone AbD64818ia is $K_D = 2.0$ nM as measured by real time, label free molecular interaction analysis on immobilized dulaglutide.
ELISA	Clone AbD64818ia can be used in indirect ELISA to detect dulaglutide. It can also be used as a surrogate positive control or a calibrator in an anti-drug antibody (ADA) assay, together with HCA447 and HCA448 .
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>Trulicity is a trademark of Eli Lilly.</p>
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/HCA449
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 \(LNK002P\)](#)

Product inquiries: 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
'M450718:260514'

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