

Datasheet: HCA185

Description:	HUMAN ANTI BEVACIZUMAB
Specificity:	BEVACIZUMAB
Other names:	AVASTIN
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD17976_hlgG1
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 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	IgG concentration 1.0 mg/ml.
Immunogen	Bevacizumab

Specificity	<p>Human Anti-Bevacizumab Antibody, clone AbD17976_hlgG1 is an affinity-matured, inhibitory, anti-idiotypic antibody that recognizes the humanized monoclonal antibody drugs bevacizumab and ranibizumab, and their biosimilar products.</p> <p>Clone AbD17976_hlgG1 is a fully human recombinant monoclonal antibody with IgG1 isotype and is suitable as a positive control or calibrator in an anti-drug antibody (ADA) assay.</p> <p>This Anti-Bevacizumab Antibody cross-reacts with the drug ranibizumab (Lucentis). Ranibizumab is a humanized Fab fragment antibody (VH3-23/kappa1), originating from the same parental mouse antibody as bevacizumab; it has 4 amino acid exchanges in the heavy chain and 1 amino acid exchange in the light chain compared to bevacizumab.</p> <p>Bevacizumab (trade name Avastin) is a humanized monoclonal antibody (IgG1/kappa) that inhibits angiogenesis by binding to vascular endothelial growth factor alpha (VEGF-A). VEGF-A is a potent stimulator of angiogenesis of both normal and cancerous cells, and acts as a regulator of vasculogenesis. Bevacizumab is used to treat various cancers, including colorectal, lung, breast, glioblastoma, kidney and ovarian.</p> <p>View a summary of all anti-bevacizumab antibodies.</p>
Affinity	<p>The monovalent intrinsic affinity of this antibody is $K^D=0.4$ nM as measured by real time, label-free molecular interaction analysis on immobilized bevacizumab.</p>
ELISA	<p>This product is suitable for use in direct ELISA applications.</p> <p>This antibody is fully human and can be used as a reference standard in an ADA assay. Protocol: ADA bridging ELISA.</p>
References	<p>1. Iwamoto, N. <i>et al.</i> (2018) Antibody drug quantitation in coexistence with anti-drug antibodies on nSMOL bioanalysis. Anal Biochem. 540-541: 30-7.</p>
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	<p>12 months from date of despatch.</p>
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>Avastin is a trademark of Genentech Inc.</p>
Health And Safety Information	<p>Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/HCA185</p> <p>10040</p>

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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

[LYNX RAPID HRP ANTIBODY CONJUGATION KIT \(LNK001P\)](#)

[HUMAN ANTI BEVACIZUMAB \(HCA184\)](#)

[HUMAN ANTI BEVACIZUMAB \(HCA182\)](#)

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

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