Datasheet: HCA185

**Description:**
HUMAN ANTI BEVACIZUMAB

**Specificity:**
BEVACIZUMAB

**Other names:**
AVASTIN®

**Format:**
Purified

**Product Type:**
Monoclonal Antibody

**Clone:**
AbD17976_hIgG1

**Isotype:**
IgG1

**Quantity:**
0.1 mg

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**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).

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELISA</td>
<td>✗</td>
<td></td>
<td></td>
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</table>

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

**Buffer Solution**
Phosphate buffered saline.

**Preservative**
0.01% Thiomersal

**Stabilisers**

**Approx. Protein Concentrations**
Total protein concentration 0.5 mg/ml

**Immunogen**
Avastin

**Specificity**

Bevacizumab, also known as Avastin, is a humanized monoclonal antibody (IgG1/kappa) that inhibits angiogenesis by binding to the vascular endothelial growth factor A (VEGF-A). VEGF-A stimulates new blood vessel formation, also in certain diseases, especially in cancer. Avastin is used to treat various cancers, including colorectal, lung, breast, glioblastoma, kidney and ovarian. Clinical trials are underway for many other indications.

Clone AbD17976_hIgG1 is an anti-idiotypic antibody that specifically recognizes the Avastin humanised monoclonal antibody. This fully human antibody can be used to develop and
calibrate immune response assays to measure the anti-drug antibody (ADA) response in patient sera.

**Human anti Bevacizumab antibody, clone AbD17976_hIgG1** is an affinity-matured antibody. The monovalent intrinsic affinity of HCA185 was measured as kDa = 0.4 nM by real time, label free molecular interaction analysis using an Attana A200 instrument on immobilized Avastin.

Additional Bevacizumab (Avastin) antibodies are also available from Bio-Rad.

<table>
<thead>
<tr>
<th>Purity</th>
<th>96.9% (capillary electrophoresis, reducing conditions)</th>
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</thead>
<tbody>
<tr>
<td>ELISA</td>
<td>This product is suitable for use in direct ELISA applications. This antibody is fully human and can be used as a reference standard in an ADA assay. Protocol: <a href="#">ADA bridging ELISA</a></td>
</tr>
<tr>
<td>Storage</td>
<td>Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</td>
</tr>
<tr>
<td>Shelf Life</td>
<td>12 months from date of despatch.</td>
</tr>
<tr>
<td>Acknowledgements</td>
<td>Sold under license of U.S. Patents 6753136, 7785859 and 8273688 and corresponding patents. This antibody was developed by Bio-Rad, Zeppelinstr. 4, 82178 Puchheim, Germany.</td>
</tr>
<tr>
<td>Licensed Use</td>
<td>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.</td>
</tr>
<tr>
<td>Regulatory</td>
<td>For research purposes only</td>
</tr>
<tr>
<td>Technical Advice</td>
<td>Recommended protocols and further information about HuCAL recombinant antibody technology can be found in the <a href="#">HuCAL Antibodies Technical Manual</a></td>
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</table>

**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 (LNK003P)
- LYNX RAPID HRP ANTIBODY CONJUGATION KIT (LNK002P)
- LYNX RAPID HRP ANTIBODY CONJUGATION KIT (LNK004P)
- LYNX RAPID HRP ANTIBODY CONJUGATION KIT (LNK005P)
- LYNX RAPID HRP ANTIBODY CONJUGATION KIT (LNK006P)
- LYNX RAPID HRP ANTIBODY CONJUGATION KIT (LNK001P)
- HUMAN ANTI BEVACIZUMAB (HCA184)