

## Datasheet: HCA282

**BATCH NUMBER 154017**

<b>Description:</b>	HUMAN ANTI DENOSUMAB
<b>Specificity:</b>	DENOSUMAB
<b>Other names:</b>	PROLIA, XGEVA
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	AbD26862_hlgG1
<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 - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.01% Thiomersal
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5 mg/ml
<b>Immunogen</b>	Denosumab
<b>Specificity</b>	<b>Human Anti-Denosumab Antibody, clone AbD26862_hlgG1</b> is a paratope specific

anti-idiotypic antibody that specifically recognizes the free human monoclonal antibody denosumab. The antibody does not recognize free RANKL (receptor activator of nuclear factor kappa-B ligand) or denosumab in complex with human RANKL and can be used to measure free denosumab and biosimilar products in bioanalytical assays.

Clone AbD26862\_hIgG1 is a fully human recombinant monoclonal antibody with IgG1 isotype and is suitable as a reference standard in an anti-drug antibody (ADA) assay.

Denosumab (Prolia, Xgeva) is a fully human monoclonal antibody (IgG2/kappa) for the treatment of osteoporosis, treatment-induced bone loss, bone metastases, multiple myeloma, and giant cell tumor of bone. The drug specifically binds to human RANKL a protein that acts as the primary signal to promote bone removal/resorption and prevents RANKL from activating its receptor, RANK, on the surface of osteoclasts and their precursors.

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

<b>Affinity</b>	The monovalent intrinsic affinity of this antibody was measured as $K_D=0.8$ nM by real time, label-free molecular interaction analysis on immobilized denosumab
<b>ELISA</b>	This antibody is fully human and can be used as a reference standard in an ADA assay. Protocol: <a href="#">ADA bridging ELISA</a>
<b>Storage</b>	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.
<b>Guarantee</b>	12 months from date of despatch
<b>Acknowledgements</b>	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. Prolia and Xgeva are registered trademarks of Amgen Inc.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10094 available at: <a href="https://www.bio-rad-antibodies.com/SDS/HCA282">https://www.bio-rad-antibodies.com/SDS/HCA282</a> 10094
<b>Licensed Use</b>	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
<b>Regulatory</b>	For research purposes only
<b>Technical Advice</b>	Recommended protocols and further information about HuCAL recombinant antibody technology can be found in the <a href="#">HuCAL Antibodies Technical Manual</a>

## Related Products

### Recommended Useful Reagents

[HUMAN ANTI DENOSUMAB \(HCA280\)](#)

[HUMAN ANTI DENOSUMAB \(HCA281\)](#)

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

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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](https://bio-rad-antibodies.com/datasheets)

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