

Datasheet: HCA280P

BATCH NUMBER 167905

Description:	HUMAN ANTI DENOSUMAB:HRP
Specificity:	DENOSUMAB
Other names:	PROLIA, XGEVA
Format:	HRP
Product Type:	Monoclonal Antibody
Clone:	AbD26295_hIgG1
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 (kappa light chain) selected from the HuCAL phage display library and expressed in a human cell line. Conjugated to horseradish peroxidase (HRP) – liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A
Source	HKB-11
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.0095% MIT
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Denosumab

Specificity

Human Anti-Denosumab Antibody, clone AbD26295_hlgG1 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.

Clone AbD26295_hlgG1 is a fully human recombinant monoclonal antibody with IgG1 isotype and is suitable as a reference standard in an anti-drug antibody (ADA) assay.

A pair of anti denosumab antibodies can be used to develop a pharmacokinetic (PK) bridging assay to measure free drug. This antibody, in full immunoglobulin format, is recommended as the detection antibody paired with clone AbD26296 ([HCA288](#)) in monovalent Fab format as the capture antibody.

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.](#)

Affinity

The intrinsic affinity of the monovalent form of this antibody is $K_D=1.8$ nM as measured by real time, label-free molecular interaction analysis on immobilized Denosumab.

ELISA

This product may be used in a direct ELISA or as a detection antibody in a bridging ELISA together with [HCA288](#) (AbD26296) as the capture reagent.
[Protocol: PK bridging ELISA to measure total drug.](#)

Storage

This product is shipped frozen.
When ready to use, thaw and aliquot the sample as needed. Store aliquots at -70°C, if available, otherwise store at -20°C. It is not recommended to keep aliquots at 4°C for more than one week.

Guarantee

12 months from date of despatch

Acknowledgements

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Health And Safety Information

Material Safety Datasheet documentation #20479 available at:
<https://www.bio-rad-antibodies.com/SDS/HCA280P20479>

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.

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

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

[HUMAN ANTI DENOSUMAB \(HCA282\)](#)

[HUMAN ANTI DENOSUMAB \(HCA288\)](#)

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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
'M426739:240227'

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