

Product datasheet

Anti-Vitamin D2+Vitamin D3 antibody [EPPTX-6-271-12] ab229822

Recombinant RabMAb

3 Images

Overview

Product name	Anti-Vitamin D2+Vitamin D3 antibody [EPPTX-6-271-12]
Description	Rabbit monoclonal [EPPTX-6-271-12] to Vitamin D2+Vitamin D3
Host species	Rabbit
Tested applications	Suitable for: Competitive ELISA
Species reactivity	Reacts with: Species independent
Immunogen	Chemical/ Small Molecule corresponding to Vitamin D2+Vitamin D3.
Positive control	Competitive ELISA: 25-OH-Vitamin-D.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise[™] guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been "predicted to work with," however this information is not covered by our Abpromise guarantee.</p> <p>Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p>

Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPPTX-6-271-12
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab229822** in the following tested applications.

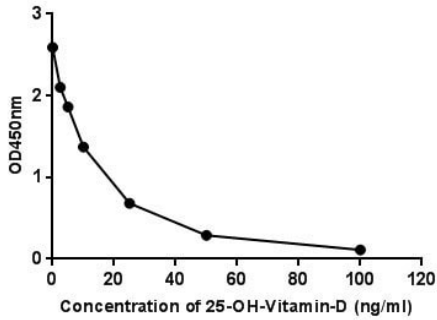
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Competitive ELISA		Use at an assay dependent concentration. Use at 50-60 ng/ml.

Target

Cellular localization	Vitamin D2: Secreted Vitamin D3: Secreted
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Images



Competitive ELISA - Anti-Vitamin D2+Vitamin D3 antibody [EPPTX-6-271-12] (ab229822)

Goat anti-rabbit IgG was coated onto 96-wells. Serial dilutions (0, 2.5, 5, 10, 25, 50, 100 ng/mL) of 25-OH-Vitamin-D (25 µL) were incubated with 50-60 ng/mL of ab229822 (50 µL) for 30 minutes by shaking.

This was followed by adding HRP-conjugated 25-OH-Vitamin-D (50 µL) into each well and incubating for another 30 minutes. After washing, 125 µL Tetramethylbenzidine (TMB) substrate was added and incubated for 30 minutes without shaking for color development. OD was read at 450nm within 5 minutes.

This data was kindly provided by Pantex Division of Bio-Analysis, Inc.

Compound	% Cross-reactivity
25-OH-Vitamin D3	100.0
25-OH-Vitamin D2	53.0
Vitamin D3 (Cholecalciferol)	0.0
Vitamin D2 (Ergocalciferol)	0.0
1 Alpha 25-OH Vitamin D3	100.0
1 Alpha 25-OH Vitamin D2	24.0

Competitive ELISA - Anti-Vitamin D2+Vitamin D3 antibody [EPPTX-6-271-12] (ab229822)

ab229822 was used at 11.8 ng/ml.

The results show cross-reactivity with Vitamin D2.

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Why choose a recombinant antibody?

 Research with confidence Consistent and reproducible results	 Long-term and scalable supply Recombinant technology
 Success from the first experiment Confirmed specificity	 Ethical standards compliant Animal-free production

Anti-Vitamin D2+Vitamin D3 antibody [EPPTX-6-271-12] (ab229822)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Response to your inquiry within 24 hours

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If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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