

Anti-Vitamin D3 antibody [EPPTX-R6-42-12] - BSA and Azide free ab236470

Recombinant RabMAb

3 Images

Overview

Product name	Anti-Vitamin D3 antibody [EPPTX-R6-42-12] - BSA and Azide free
Description	Rabbit monoclonal [EPPTX-R6-42-12] to Vitamin D3 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: Competitive ELISA
Species reactivity	Reacts with: Species independent
Immunogen	Chemical/ Small Molecule corresponding to Vitamin D3. Vitamin-D-3-BSA.
General notes	<p>ab236470 is the carrier-free version of ab229820.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <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>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPPTX-R6-42-12
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab236470 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

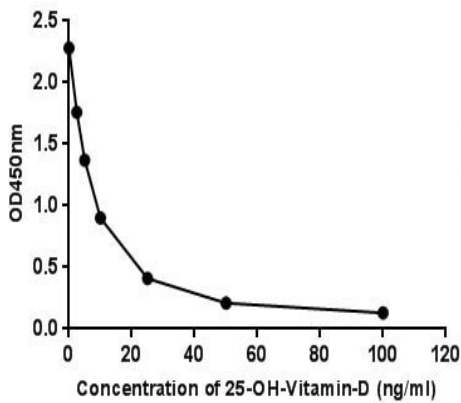
Application	Abreviews	Notes
Competitive ELISA		Use at an assay dependent concentration. Use at 30-35 ng/mL.

Target

Relevance Vitamin D3, also known as cholecalciferol, is a form of vitamin D that is made by the human body. It is made in the skin when 7-dehydrocholesterol reacts with UVB ultraviolet light with wavelengths 290 to 315 nm. This can be found in sunlight when the sun is high enough above the horizon for UVB to penetrate the atmosphere and is responsible for the production of cholecalciferol. Up to 20,000 IU can be made in the skin only after one minimal erythematous dose of exposure, or until the skin just begins to turn pink.

Cellular localization Secreted

Images



Competitive ELISA - Anti-Vitamin D3 antibody
[EPPTX-R6-42-12] - BSA and Azide free (ab236470)

Competitive ELISA - Anti-Vitamin D3 antibody [EPPTX-R6-42-12] (ab229820)

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 20-25 ng/mL of **ab229820** (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 of 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	2.0
Vitamin D3 (Cholecalciferol)	0.0
Vitamin D2 (Ergocalciferol)	0.0
1 Alpha 25-OH Vitamin D3	>100.0
1 Alpha 25-OH Vitamin D2	2.0

Competitive ELISA - Anti-Vitamin D3 antibody
[EPPTX-R6-42-12] - BSA and Azide free (ab236470)

Competitive ELISA - Anti-Vitamin D3 antibody [EPPTX-R6-42-12] (ab229820) used at 6.3 ng/ml.

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

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

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

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