

## Product datasheet

# Anti-Vitamin D2+Vitamin D3 antibody [EPPTX-R6-74-3] - BSA and Azide free ab236471

Recombinant RabMAb

3 Images

### Overview

<b>Product name</b>	Anti-Vitamin D2+Vitamin D3 antibody [EPPTX-R6-74-3] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [EPPTX-R6-74-3] to Vitamin D2+Vitamin D3 - BSA and Azide free
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> Competitive ELISA
<b>Species reactivity</b>	<b>Reacts with:</b> Species independent
<b>Immunogen</b>	Chemical/ Small Molecule corresponding to Vitamin D2+Vitamin D3. Vitamin-D-3-BSA.
<b>General notes</b>	<p>ab236471 is the carrier-free version of <a href="#">ab229821</a>.</p> <p>Our <b>carrier-free</b> 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 <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;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<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> 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"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C. Do Not Freeze.
<b>Storage buffer</b>	pH: 7.2 Constituent: PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPPTX-R6-74-3
<b>Isotype</b>	IgG

## Applications

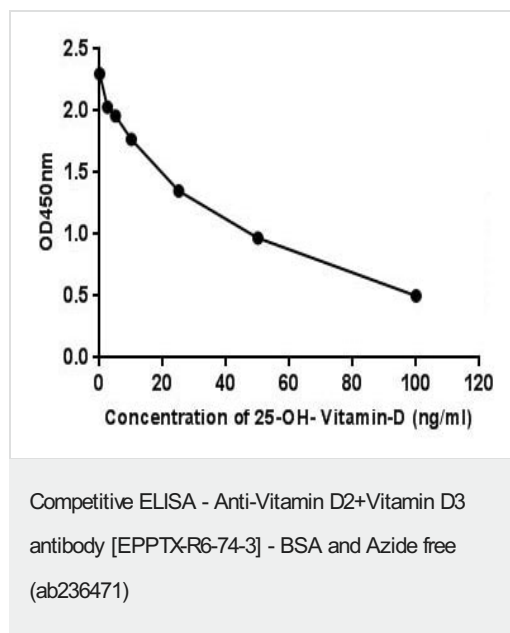
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab236471 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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

## Target

**Cellular localization** Vitamin D2: Secreted Vitamin D3: Secreted

## Images



### Competitive ELISA - Anti-Vitamin D2+Vitamin D3 antibody [EPPTX-R6-74-3] ([ab229821](#)).

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 30-35 ng/mL of [ab229821](#) (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	80.0
Vitamin D3 (Cholecalciferol)	0.0
Vitamin D2 (Ergocalciferol)	0.0
1 Alpha 25-OH Vitamin D3	100.0
1 Alpha 25-OH Vitamin D2	75.0

Competitive ELISA - Anti-Vitamin D2+Vitamin D3 antibody [EPPTX-R6-74-3] - BSA and Azide free (ab236471)

**Competitive ELISA** - Anti-Vitamin D2+Vitamin D3 antibody [EPPTX-R6-74-3] (**ab229821**) used at 8.3 ng/mL.

The results show cross-reactivity with Vitamin D2.

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

Anti-Vitamin D2+Vitamin D3 antibody [EPPTX-R6-74-3] - BSA and Azide free (ab236471)

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

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