

Datasheet: MCA3543Z

**BATCH NUMBER 145164**

<b>Description:</b>	MOUSE ANTI HUMAN VITAMIN D RECEPTOR:Preservative Free
<b>Specificity:</b>	VITAMIN D RECEPTOR
<b>Other names:</b>	VDR
<b>Format:</b>	Preservative Free
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	2F4
<b>Isotype:</b>	IgG2a
<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
Immunohistology - Paraffin (1)	■			0.1 - 10 ug/ml

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.

**(1)This product requires antigen retrieval using heat treatment prior to staining of paraffin sections.Sodium citrate buffer pH 6.0 is recommended for this purpose.**

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	None present
<b>Approx. Protein Concentrations</b>	Ig concentration 0.5 mg/ml

<b>Immunogen</b>	Recombinant protein corresponding to aa 1 - 428 of human Vitamin D receptor.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P11473</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">7421</a>    VDR    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	NR1I1
<b>RRID</b>	AB_2089282
<b>Fusion Partners</b>	Spleen cells from BALB/c mice were fused with cells from the Sp2/0 myeloma cell line.
<b>Specificity</b>	<b>Mouse anti Human Vitamin D receptor antibody, clone 2F4</b> recognizes the human Vitamin D3 receptor, also known as 1,25-dihydroxyvitamin D3 receptor or Nuclear receptor subfamily 1 group I member 1. The vitamin D receptor is a 427 amino acid ~ 48kDa member of the nuclear hormone receptor family containing a single nuclear receptor DNA-binding domain
<b>References</b>	<ol style="list-style-type: none"> <li>1. Ditsch, N. <i>et al.</i> (2012) The Association between Vitamin D Receptor Expression and Prolonged Overall Survival in Breast Cancer. <a href="#">J Histochem Cytochem. 60: 121-9.</a></li> <li>2. Pulito, C. <i>et al.</i> (2015) Cdx2 polymorphism affects the activities of vitamin d receptor in human breast cancer cell lines and human breast carcinomas. <a href="#">PLoS One. 10 (4): e0124894.</a></li> <li>3. Heublein, S. <i>et al.</i> (2017) Vitamin D receptor, Retinoid X receptor and peroxisome proliferator-activated receptor <math>\gamma</math> are overexpressed in BRCA1 mutated breast cancer and predict prognosis. <a href="#">J Exp Clin Cancer Res. 36 (1): 57.</a></li> <li>4. Zhang, X. <i>et al.</i> (2017) Fluorescence Analysis of Vitamin D Receptor Status of Circulating Tumor Cells (CTCS) in Breast Cancer: From Cell Models to Metastatic Patients. <a href="#">Int J Mol Sci. 18 (6)Jun 20 [Epub ahead of print].</a></li> <li>5. Czogalla, B. <i>et al.</i> (2020) Cytoplasmic VDR expression as an independent risk factor for ovarian cancer. <a href="#">Histochem Cell Biol. 154 (4): 421-9.</a></li> </ol>
<b>Storage</b>	<p>Store at -20°C only.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #10162 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA3543Z">https://www.bio-rad-antibodies.com/SDS/MCA3543Z</a></p> <p>10162</p>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">Alk. Phos.</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight®488</a> , <a href="#">DyLight®550</a> , <a href="#">DyLight®650</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>

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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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