Datasheet: MCA3543Z

BATCH NUMBER 170320

Description:	MOUSE ANTI HUMAN VITAMIN D RECEPTOR:Preservative Free
Specificity:	VITAMIN D RECEPTOR
Other names:	VDR
Format:	Preservative Free
Product Type:	Monoclonal Antibody
Clone:	2F4
Isotype:	IgG2a
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
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.**

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

Immunogen	Recombinant protein corresponding to aa 1 - 428 of human Vitamin D receptor.
External Database Links	**UniProt:** P11473 Related reagents **Entrez Gene:** 7421 VDR Related reagents
Synonyms	NR1I1
RRID	AB_2089282
Fusion Partners	Spleen cells from BALB/c mice were fused with cells from the Sp2/0 myeloma cell line.
Specificity	**Mouse anti Human Vitamin D receptor antibody, clone 2F4** 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
References	1. Ditsch, N. *et al.* (2012) The Association between Vitamin D Receptor Expression and Prolonged Overall Survival in Breast Cancer. J Histochem Cytochem. 60: 121-9. 2. Pulito, C. *et al.* (2015) Cdx2 polymorphism affects the activities of vitamin d receptor in human breast cancer cell lines and human breast carcinomas. PLoS One. 10 (4): e0124894. 3. Heublein, S. *et al.* (2017) Vitamin D receptor, Retinoid X receptor and peroxisome proliferator-activated receptor γ are overexpressed in BRCA1 mutated breast cancer and predict prognosis. J Exp Clin Cancer Res. 36 (1): 57. 4. Zhang, X. *et al.* (2017) Fluorescence Analysis of Vitamin D Receptor Status of Circulating Tumor Cells (CTCS) in Breast Cancer: From Cell Models to Metastatic Patients. Int J Mol Sci. 18 (6)Jun 20 [Epub ahead of print]. 5. Czogalla, B. *et al.* (2020) Cytoplasmic VDR expression as an independent risk factor for ovarian cancer. Histochem Cell Biol. 154 (4): 421-9.
Storage	Store at -20^{o}C only. Storage in frost-free freezers is not recommended. 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.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10162 available at: https://www.bio-rad-antibodies.com/SDS/MCA3543Z 10162
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

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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

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