

For Research Use Only

# VDR Monoclonal antibody

Catalog Number: 60116-2-Ig



## Basic Information

<b>Catalog Number:</b> 60116-2-Ig	<b>GenBank Accession Number:</b> BC060832	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 7421	<b>CloneNo.:</b> 4C2F1
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P11473	
<b>Isotype:</b> IgG2a	<b>Full Name:</b> vitamin D (1,25-dihydroxyvitamin D3) receptor	
<b>Immunogen Catalog Number:</b> AG6012	<b>Calculated MW:</b> 48 kDa	
	<b>Observed MW:</b> 55 kDa	

## Applications

**Tested Applications:**  
ELISA

**Species Specificity:**  
human

## Background Information

The vitamin D receptor (VDR), also known as NR111 (nuclear receptor subfamily 1, group I, member 1), is a member of the nuclear receptor family of transcription factors. Upon activation by vitamin D, the VDR forms a heterodimer with the retinoid-X receptor and binds to hormone response elements on DNA resulting in expression or trans-repression of specific gene products. It is an intracellular hormone receptor that specifically binds 1,25(OH)<sub>2</sub>D<sub>3</sub> and mediates its effects. Downstream targets of this nuclear hormone receptor are principally involved in mineral metabolism though the receptor regulates a variety of other metabolic pathways, such as those involved in the immune response and cancer. Defects in VDR are the cause of rickets vitamin D-dependent type 2A (VDDR2A). A disorder of vitamin D metabolism results in severe rickets, hypocalcemia and secondary hyperparathyroidism. Most patients have total alopecia in addition to rickets. This antibody is a mouse monoclonal IgG2a antibody to human VDR.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

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## Selected Validation Data