

# VDR Monoclonal antibody

Catalog Number: 60116-1-Ig

## Basic Information

Catalog Number: 60116-1-Ig	GenBank Accession Number: BC060832	Purification Method: Protein A purification
Size: 150ul	GeneID (NCBI): 7421	CloneNo.: 4B8G3
Source: Mouse	UNIPROT ID: P11473	
Isotype: IgG1	Full Name: vitamin D (1,25- dihydroxyvitamin D3) receptor	
Immunogen Catalog Number: AG6012	Calculated MW: 48 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 IgG1 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

\*\*\* 20ul sizes contain 0.1% BSA

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