

# VDR Monoclonal antibody

Catalog Number: 60116-1-Ig

## Basic Information

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

## Applications

Tested Applications:  
ELISA

Species Specificity:  
human

## Background Information

The vitamin D receptor (VDR), also known as NR1I1 (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

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

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