

VDR Monoclonal antibody

Catalog Number: 60116-2-Ig

Basic Information

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