

Human Vitamin D3 (VD3) ELISA Kit | VD3 elisa kit

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CATALOG #
AAA12745

REACTIVITY
Human

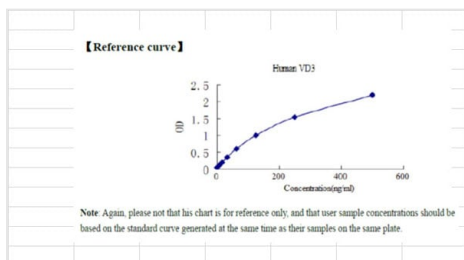
PRODUCT SYNONYMS

Vitamin D3 (VD3); Human Vitamin D3 (VD3) ELISA kit; VD3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	427
Assay Type	Sandwich
Detection Range	500 ng/mL-7.8 ng/mL
Sensitivity	Up to 1 ng/mL
Intra-assay Precision	<= 8%
Inter-assay Precision	<= 12%
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for VD3 elisa kit

Principle of the Assay: As mentioned above, this kit utilizes the Double Antibody Sandwich ELISA technique. The pre-coated antibody is an anti-Human VD3 monoclonal antibody, while the detection antibody is a biotinylated polyclonal antibody. Samples and biotinylated antibodies are added into ELISA plate wells and washed out with PBS or TBS after their respective additions to the wells. Then Avidin-peroxidase conjugates are added to the wells in after. TMB substrate is used for coloration after the enzyme conjugate has already been thoroughly washed out of the wells by PBS or TBS. TMB reacts to form a blue product from the peroxidase activity, and finally turns to yellow after addition of the stop solution (Color Reagent C). The color intensity and quantity of target analyte in the sample are positively correlated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	63054845
NCBI GeneID	7421

NCBI Accession #	NP_001017535.1
NCBI GenBank Nucleotide #	NM_001017535.1
Molecular Weight	53,883 Da
NCBI Official Full Name	vitamin D3 receptor isoform VDRA
NCBI Official Synonym Full Names	vitamin D (1,25- dihydroxyvitamin D3) receptor
NCBI Official Symbol	VDR
NCBI Official Synonym Symbols	NR1I1; PPP1R163
NCBI Protein Information	vitamin D3 receptor; 1,25-dihydroxyvitamin D3 receptor; vitamin D nuclear receptor variant 1; nuclear receptor subfamily 1 group I member 1; protein phosphatase 1, regulatory subunit 163
UniProt Protein Name	Vitamin D3 receptor
UniProt Gene Name	VDR
UniProt Synonym Gene Names	NR1I1; VDR
UniProt Entry Name	VDR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/vitamin-d3-vd3/12745>