

Human Vitamin D (VD) ELISA Kit | VD elisa kit

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CATALOG #
AAA54618

REACTIVITY
Human

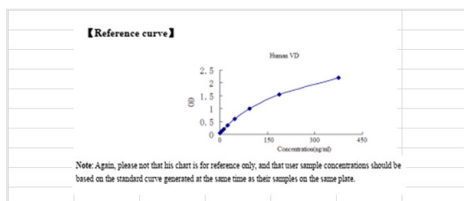
PRODUCT SYNONYMS

Vitamin D (VD); Human Vitamin D (VD) ELISA Kit; VD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	501
Assay Type	Sandwich
Detection Range	400 ng/mL-6.25 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 VD 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 VD 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 #	45267826
NCBI GeneID	120227
NCBI Accession #	NP_078790.2

NCBI GenBank Nucleotide #	NM_024514.4
Molecular Weight	57,359 Da
NCBI Official Full Name	vitamin D 25-hydroxylase
NCBI Official Synonym Full Names	cytochrome P450, family 2, subfamily R, polypeptide 1
NCBI Official Symbol	CYP2R1
NCBI Protein Information	vitamin D 25-hydroxylase; cytochrome P450 2R1; cytochrome P450, family 2, R1
UniProt Protein Name	Vitamin D 25-hydroxylase
UniProt Gene Name	CYP2R1
UniProt Entry Name	CP2R1_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-d-vd/54618>