

General VD ELISA Kit | VD elisa kit

VD (Vitamin D) ELISA Kit

CATALOG #
AAA21518

REACTIVITY
General

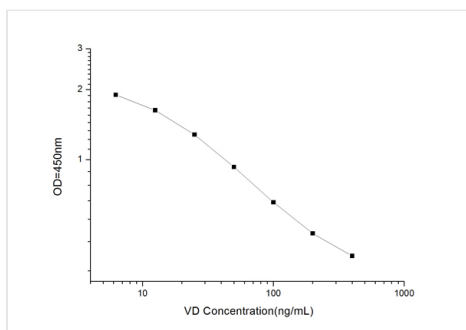
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	This kit recognizes VD in samples. No significant cross-reactivity or interference between VD and analogues was observed.
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Competitive
Detection Range	6.25-400ng/mL
Sensitivity	3.75ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level VD were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level VD were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for VD elisa kit	Intended Uses: This ELISA kit applies to the in vitro quantitative determination of VD concentrations in serum, plasma and other biological fluids. Principle of the Assay: This ELISA kit uses the Competitive-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with VD. During the reaction, VD in the sample or standard competes with a fixed amount of VD on the solid phase supporter for sites on the Biotinylated Detection Ab specific to VD. Excess conjugate and unbound sample or standard are washed from the plate, and Avidin conjugated to Horseradish Peroxidase (HRP) are added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of stop solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of VD in the samples is then determined by comparing the OD of the samples to the standard curve.
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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/general-elisa-kits/vd/21518>