

Human Vitamin D2 (VD2) ELISA Kit | VD2 elisa kit

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CATALOG #
AAA330289

REACTIVITY
Human

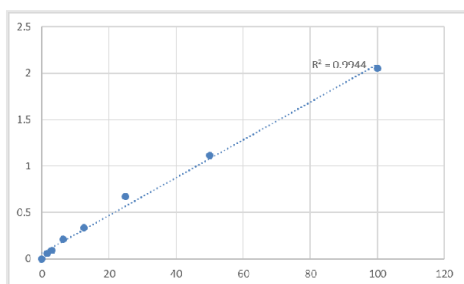
PRODUCT SYNONYMS

Vitamin D2 (VD2); Human Vitamin D2 (VD2) ELISA Kit; VD2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Vitamin D2 (VD2) ELISA Kit has high sensitivity and excellent specificity for detection of Human VD2. No significant cross-reactivity or interference between Human VD2 and analogues was observed.
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Vitamin D2 (VD2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for VD2 elisa kit	Description: This Human Vitamin D2 (VD2) ELISA Kit employs a two-site sandwich ELISA to quantitate VD2 in samples. An antibody specific for VD2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any VD2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for VD2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of VD2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Ergocalciferol is a provitamin form of vitamin D, also called vitamin D2. Ergocalciferol is created when ultraviolet light activates ergosterol. Ergocalciferol is produced in fungi synthetically through irradiation of ergosterol. Human bioavailability of vitamin D2 from vitamin D2-enhanced button mushrooms via UV-B irradiation is effective in improving vitamin D status and not different from a vitamin D2 supplement. Vitamin D2 from UV-irradiated yeast baked into bread is bioavailable. By visual assessment or using a chromometer, no significant discoloration of irradiated mushrooms, as measured by the degree of "whiteness", was observed. One study found low vitamin D2 levels in patients with Alzheimer's disease, but this observational study did not prove cause or effect related to ergocalciferol and vitamin D2 deficiency in the diet.
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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://www.aaabiotech.com/human-elisa-kits/vitamin-d2-vd2/330289>