

## Human Vitamin D ELISA Kit | VD elisa kit

Human Vitamin D ELISA Kit

CATALOG #  
**AAA88844**

REACTIVITY  
**Human**

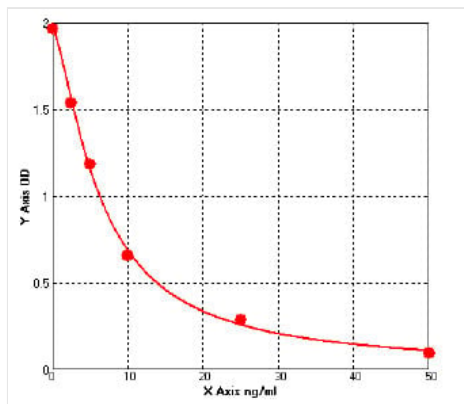
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                              |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of VD. No significant cross-reactivity or interference between VD and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between VD and all the analogues, therefore, cross reaction may still exist in some cases. |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                           |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                         |
| Sensitivity             | 0.1 ng/mL                                                                                                                                                                                                                                                                                                                                                                          |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for VD elisa kit | <p>Principle of the Assay: VD ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-VD antibody and an VD-HRP conjugate. The assay sample and buffer are incubated together with VD-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the VD concentration since VD from samples and VD-HRP conjugate compete for the anti-VD antibody binding site. Since the number of sites is limited, as more sites are occupied by VD from the sample, fewer sites are left to bind VD-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The VD concentration in each sample is interpolated from this standard curve.</p> <p>Intended Uses: This VD ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human VD. This ELISA kit for research use only, not for therapeutic or test applications!</p> |
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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/vd-human-elisa-kits/vitamin-d/88844>