

## Rat 25-Hydroxy vitamin D ELISA Kit | 25OHVD elisa kit

Rat 25-Hydroxy vitamin D ELISA Kit

CATALOG #  
**AAA84819**

REACTIVITY  
**Rat**

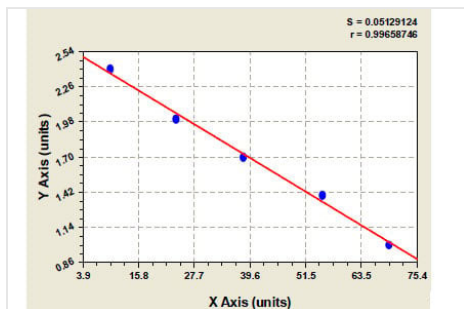
### PRODUCT SYNONYMS

25-Hydroxy vitamin D; Rat 25-Hydroxy vitamin D ELISA Kit; 25OHVD elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                                                                                                                                                                                                                                            |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of 25OHVD. No significant cross-reactivity or interference between 25OHVD and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between 25OHVD and all the analogues, therefore, cross reaction may still exist in some cases. |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                                     |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                                       |
| Sensitivity             | 1.0 ng/mL                                                                                                                                                                                                                                                                                                                                                                                      |
| Preparation and Storage | Store all reagents at 2-8 degree C                                                                                                                                                                                                                                                                                                                                                             |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for 25OHVD elisa kit

**Intended Uses:** This 25OHVD ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat 25OHVD. This ELISA kit for research use only, not for therapeutic or test applications!

**Principle of the Assay:** 25OHVD ELISA kit applies the competitive enzyme immunoassay technique utilizing a 25OHVD antigen and an 25OHVD-HRP conjugate. The assay sample and buffer are incubated together with 25OHVD-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 25OHVD concentration since 25OHVD from samples and 25OHVD-HRP conjugate compete for the 25OHVD antigen binding site. Since the number of sites is limited, as more sites are occupied by 25OHVD from the sample, fewer sites are left to bind 25OHVD-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The 25OHVD concentration in each sample is interpolated from this standard curve.

**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/25ohvd-rat-elisa-kits/25-hydroxy-vitamin-d/84819>