

Rat 25 Hydroxy Vitamin D ELISA Kit | 25OHVD elisa kit

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CATALOG #
AAA16442

REACTIVITY
Rat

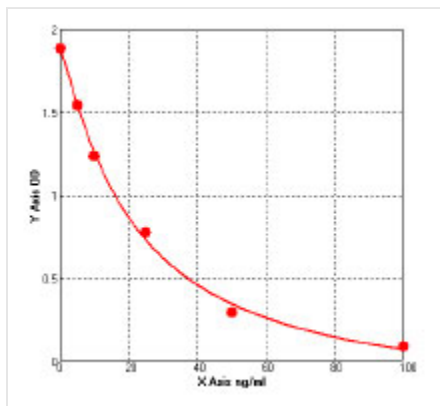
PRODUCT SYNONYMS

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 25-OHVD3. No significant cross-reactivity or interference between 25-OHVD3 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between 25-OHVD3 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 25-OHVD3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat 25-OHVD3. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: 25-OHVD3 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-25-OHVD3 antibody and an 25-OHVD3-HRP conjugate. The assay sample and buffer are incubated together with 25-OHVD3-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 25-OHVD3 concentration since 25-OHVD3 from samples and 25-OHVD3-HRP conjugate compete for the anti-25-OHVD3 antibody binding site. Since the number of sites is limited, as more sites are occupied by 25-OHVD3 from the sample, fewer sites are left to bind 25-OHVD3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The 25-OHVD3 concentration in each sample is interpolated from this 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/25ohvd-rat-elisa-kits/25-hydroxy-vitamin-d/16442>