

Rat Vitamin D3 ELISA Kit | VD3 elisa kit

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CATALOG #
AAA86458

REACTIVITY
Rat

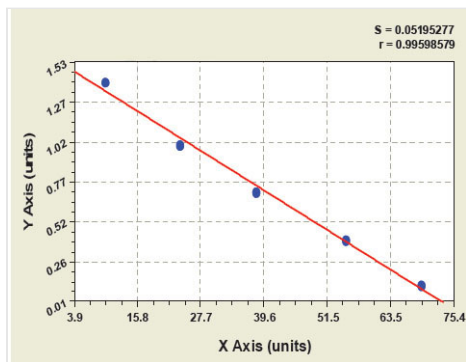
PRODUCT SYNONYMS

Vitamin D3; Rat Vitamin D3 ELISA Kit; VD3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25 ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This VD3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat VD3. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for VD3 elisa kit

Principle of the Assay: VD3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-VD3 antibody and an VD3-HRP conjugate. The assay sample and buffer are incubated together with VD3-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 VD3 concentration since VD3 from samples and VD3-HRP conjugate compete for the anti-VD3 antibody binding site. Since the number of sites is limited, as more sites are occupied by VD3 from the sample, fewer sites are left to bind VD3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The VD3 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/vd3-rat-elisa-kits/vitamin-d3/86458>