

Mouse 1, 25-dihydroxyvitamin D3 ELISA Kit | DVD/DHVD 3 elisa kit

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CATALOG #
AAA16549

REACTIVITY
Mouse

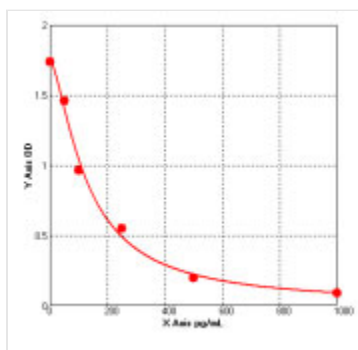
PRODUCT SYNONYMS

1, 25-dihydroxyvitamin D3; Mouse 1; 25-dihydroxyvitamin D3 ELISA Kit; 25-dihydroxyvitamin D3 (1; 25OHVD3) ELISA Kit; 25-dihydroxyvitamin D3 (Mouse); DVD/DHVD 3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of 1,25OHVD3. No significant cross-reactivity or interference between 1,25OHVD3 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between 1,25OHVD3 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	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DVD/DHVD 3 elisa kit	Principle of the Assay: 1,25OHVD3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-1,25OHVD3 antibody and an 1,25OHVD3-HRP conjugate. The assay sample and buffer are incubated together with 1,25OHVD3-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 1,25OHVD3 concentration since 1,25OHVD3 from samples and 1,25OHVD3-HRP conjugate compete for the anti-1,25OHVD3 antibody binding site. Since the number of sites is limited, as more sites are occupied by 1,25OHVD3 from the sample, fewer sites are left to bind 1,25OHVD3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The 1,25OHVD3 concentration in each sample is interpolated from this standard curve. Intended Uses: This 1,25OHVD3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse 1,25OHVD3. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for DVD/DHVD 3 elisa kit	Mouse ELISA Kit
References	DMP-1-mediated Ghr gene recombination compromises skeletal development and impairs skeletal response to intermittent PTH. Zhongbo Liu, Oran D. Kennedy, Luis Cardoso, Jelena Basta-Pljakic, Nicola C. Partridge, Mitchell B. Schaffler, Clifford J. Rosen and Shoshana Yakar (2015)

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/dvd-dhvd-3-mouse-elisa-kits/1-25-dihydroxyvitamin-d3/16549>