

General 24,25-Dihydroxy Vitamin D3 ELISA Kit

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CATALOG #
AAA124065

REACTIVITY
General

PRODUCT SYNONYMS

24; 25-Dihydroxy Vitamin D3; General 24; 25-Dihydroxy Vitamin D3 ELISA Kit; 25-Dihydroxy Vitamin D3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Assay Type	Competitive
Samples	Serum, plasma, cell culture supernates, Ascites, tissue homogenates or other biological fluids
Detection Range	0.25-16nmol/L
Sensitivity	0.12nmol/L
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision. Intra-Assay: CV< 10%
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision. CV(%) = SD/mean x 100. Inter-Assay: CV< 12%
Preparation and Storage	Store at 2 to 8 degree C for 6 months.

ADDITIONAL INFORMATION

Related Product Information for 24,25-Dihydroxy Vitamin D3 elisa kit

Principle of the Assay: This kit is a Enzyme-Linked Immunosorbent Assay (ELISA). Add samples to the pre-coated plate. Then add biotinylated antigen. The antigens in the samples compete with the biotinylated antigen to bind to the capture antibody and incubate. Unbound antigen is washed away during a washing step. An avidin-HRP is then added and then incubate. Unbound avidin-HRP is washed away during a washing step. TMB Substrate is then added and color develops. The reaction is stopped by addition of acidic stop solution and color changes into yellow that can be measured at 450 nm. The intensity of the color developed is inversely proportional to the concentration of 24,25-DVD3 in the sample. The concentration of 24,25-DVD3 in the sample is then determined by comparing the O.D. of the samples to the standard curve.

Intended Uses: This competitive ELISA kit is for the quantification of 24,25-Dihydroxy Vitamin D3(also known as 24,25-DVD3) in serum, plasma, cell culture supernates, Ascites, tissue homogenates or other biological fluids.

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://www.aaabiotech.com/general-elisa-kits/2425-dihydroxy-vitamin-d3/124065>