

Human 25-Hydroxy Vitamin D3 (25 HVD3) ELISA Kit | 25 HVD3 elisa kit

Human 25-Hydroxy Vitamin D3 (25 HVD3) ELISA Kit

CATALOG #
AAA331028

REACTIVITY
Human

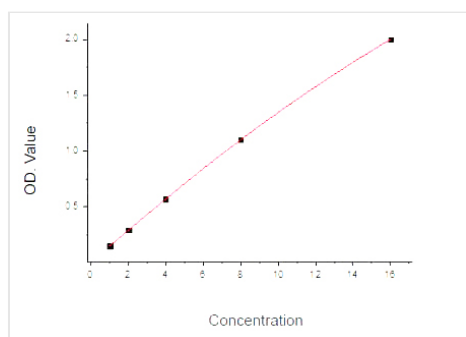
PRODUCT SYNONYMS

25-Hydroxy Vitamin D3 (25 HVD3); Human 25-Hydroxy Vitamin D3 (25 HVD3) ELISA Kit; 25 HVD3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human 25 25-hydroxy vitamin D3 (25 HVD3) ELISA Kit has high sensitivity and excellent specificity for detection of Human 25 HVD3 HVD3. No significant cross cross-reactivity or interference between Human 25 HVD3 and analogues was observed.
Samples	Human serum, cell culture supernates and other biological fluids
Detection Range	1 ug/L - 16 ug/L
Sensitivity	< 0.1ug/L
Intra-assay Precision	Four samples of known concentration were tested twenty times on one plate to assess intra-assay precision. The CV (%) 9%.
Inter-assay Precision	Three samples of known concentration were tested in twenty separate assays to assess inter-assay precision. Assays were performed by at least three technicians using two lots of components. The CV (%) 11%.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for 25 HVD3 elisa kit	Background: Calcifediol is a prehormone which is produced by hydroxylation of vitamin D3 (cholecalciferol) in the liver. Calcidiol is then converted in the kidneys (by the enzyme 25(OH)D 3-1alpha-hydroxylase) into calcitriol (1,25-(OH)2D3), a secosteroid hormone that is the active form of vitamin D. It can also be converted into 24-hydroxycalcidiol in the kidneys via 24-hydroxylation. In medicine, blood concentration of calcidiol is considered the best indicator of vitamin D status. It is the most sensitive measure, though experts have called for improved standardization and reproducibility across different laboratories. Principle of the Assay: Human 25 25-hydroxy vitamin D3 (25 HVD3) ELISA Kit employs a two-site sandwich ELISA to quantitate 25 HVD3 in samples. An antibody specific for 25 HVD3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any 25 HVD3 present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugate Conjugated Human 25 HVD3 detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of 25 HVD3 bound in the initial step. The color development is stopped and the intensity of the color is measured.
--	--

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://stage.aaabiotech.com/human-elisa-kits/25-hydroxy-vitamin-d3-25-hvd3/331028>