

Human 27-hydroxycholesterol (27-OHC) ELISA Kit | 27-OHC elisa kit

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CATALOG #
AAA247106

REACTIVITY
Human

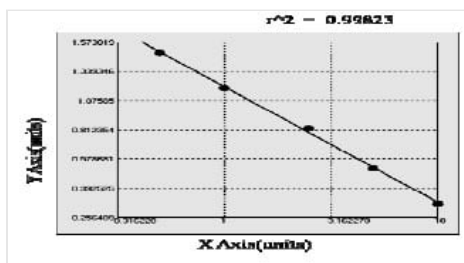
PRODUCT SYNONYMS

27-hydroxycholesterol (27-OHC); Human 27-hydroxycholesterol (27-OHC) ELISA Kit; 27-OHC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100 mg/L
Sensitivity	1.0mg/L
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for 27-OHC elisa kit

Intended Uses: This 27-OHC ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human 27-OHC. This ELISA kit for research use only!

Principle of the Assay: 27-OHC ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-27-OHC antibody and an 27-OHC-HRP conjugate. The assay sample and buffer are incubated together with 27-OHC-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 27-OHC concentration since 27-OHC from samples and 27-OHC-HRP conjugate compete for the anti-27-OHC antibody binding site. Since the number of sites is limited, as more sites are occupied by 27-OHC from the sample, fewer sites are left to bind 27-OHC-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The 27-OHC 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.

