

Human 27-Hydroxycholesterol ELISA Kit | 27HC elisa kit

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CATALOG #
AAA332006

REACTIVITY
Human

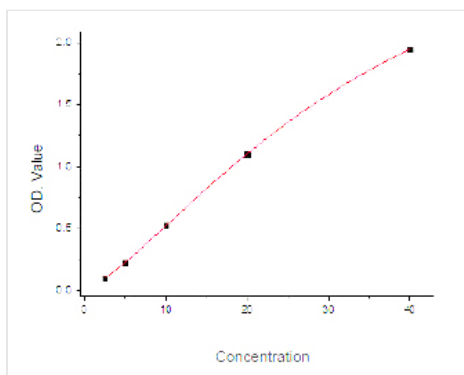
PRODUCT SYNONYMS

27-Hydroxycholesterol; Human 27-Hydroxycholesterol ELISA Kit; 27HC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human 27-hydroxycholesterol (27-HC) ELISA Kit has high sensitivity and excellent specificity for detection of Human 27-HC. No significant cross-reactivity or interference between Human 27-HC and analogues was observed.
Assay Type	Sandwich
Samples	Human serum, cell culture supernates and other biological fluids
Detection Range	2.5 ng/L - 40 ng/L
Sensitivity	< 0.1 ng/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 27HC elisa kit	Background: 27-Hydroxycholesterol (27-HC) is an endogenous oxysterol with multiple biological functions, including activity as a selective estrogen receptor modulator (SERM) (a mixed, tissue-specific agonist-antagonist of the estrogen receptor (ER)) and as an agonist of the liver X receptor (LXR). It is a metabolite of cholesterol that is produced by the enzyme CYP27A1. A link between high cholesterol and breast cancer has been identified, and it has been proposed that this is due to 27-HC production by CYP27A1. Principle of the Assay: Human 27-hydroxycholesterol (27-HC) ELISA Kit employs a two-site sandwich ELISA to quantitate 27-HC in samples. An antibody specific for 27-HC has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any 27-HC present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human 27-HC 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 27-HC bound in the initial step. The color development is stopped and the intensity of the color is measured.
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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/27hc-human-elisa-kits/27-hydroxycholesterol/332006>