

Human 27-hydroxycholesterol ELISA Kit | 27HC elisa kit

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CATALOG #
AAA55941

REACTIVITY
Human

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human 27-hydroxycholesterol. No significant cross-reactivity or interference between Human 27-hydroxycholesterol and analogues was observed.
Assay Type	Quantitative Competitive
Samples	Serum, plasma and other biological fluids
Detection Range	1.56 pg/mL - 100 pg/mL
Sensitivity	0.82 pg/mL (mean of 6 independent assays)
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times 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 forty separate assays to assess inter-assay precision. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for 27HC elisa kit

Principle of the Assay: This assay employs the competitive enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to 27-hydroxycholesterol. Standards or samples are then added to the appropriate microtiter plate wells with a Horseradish Peroxidase (HRP)- conjugated 27-hydroxycholesterol and incubated. The competitive inhibition reaction is launched between with HRP labeled 27-hydroxycholesterol and unlabeled 27-hydroxycholesterol with the antibody. A substrate solution is added to the wells and the color develops in opposite to the amount of 27-hydroxycholesterol in the sample. The color development is stopped and the intensity of the color is measured.

Intended Uses: For the quantitative detection of Human 27-hydroxycholesterol concentration in serum, plasma and 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/27hc-human-elisa-kits/27-hydroxycholesterol/55941>