

Human 17 Hydroxypregnenolone ELISA Kit

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CATALOG #
AAA97628

REACTIVITY
Human

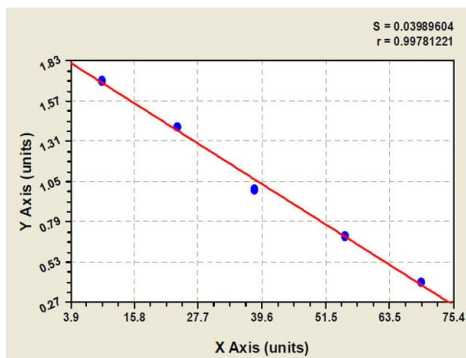
PRODUCT SYNONYMS

17 Hydroxypregnenolone; Human 17 Hydroxypregnenolone ELISA Kit; 17 Hydroxypregnenolone elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This 17-Hydroxypregnenolone ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human 17-Hydroxypregnenolone. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for 17 Hydroxypregnenolone elisa kit	Principle of the assay: 17-Hydroxypregnenolone ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-17-Hydroxypregnenolone antibody and an 17-Hydroxypregnenolone-HRP conjugate. The assay sample and buffer are incubated together with 17-Hydroxypregnenolone-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 17-Hydroxypregnenolone concentration since 17-Hydroxypregnenolone from samples and 17-Hydroxypregnenolone-HRP conjugate compete for the anti-17-Hydroxypregnenolone antibody binding site. Since the number of sites is limited, as more sites are occupied by 17-Hydroxypregnenolone from the sample, fewer sites are left to bind 17-Hydroxypregnenolone-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The 17-Hydroxypregnenolone concentration in each sample is interpolated from this standard curve.
Product Categories/Family for 17 Hydroxypregnenolone elisa kit	Signal Transduction

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://stage.aaabiotech.com/human-elisa-kits/17-hydroxypregnenolone/97628>