

General 17-OHP (17-Hydroxyprogesterone) ELISA Kit | 17-OHP elisa kit

17-OHP (17-Hydroxyprogesterone)

CATALOG #
AAA102663

REACTIVITY
General

PRODUCT SYNONYMS

17-OHP (17-Hydroxyprogesterone); 17-OHP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	This assay has high sensitivity and excellent specificity for detection of 17-OHP . No significant cross-reactivity or interference between 17-OHP and analogues was observed.
Assay Type	Competitive ELISA, Coated with Antigen
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	1.563-100pg/ml
Sensitivity	0.938pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level 17- OHP were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level 17- OHP were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard run of a 17-OHP ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A-not applicable)

X	ng/ml	0	0.312	0.625	1.25	2.5	5	10	20
Y	OD450	1.973	1.447	1.017	0.713	0.369	0.244	0.121	0.009

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for 17-OHP elisa kit

Principle of the Assay: This ELISA kit uses Competitive-ELISA as the method. The microtiter plate provided in this kit has been pre-coated with 17-OHP . During the reaction,17-OHP in the sample or standard competes with a fixed amount of 17-OHP on the solid phase supporter for sites on the Biotinylated Detection Antibody specific to 17-OHP . Excess conjugate and unbound sample or standard are washed from the plate, and HRP-Streptavidin(SABC) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. The concentration of 17-OHP in the samples is then determined by comparing the O.D. of the samples to the 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.