

Human 17 beta hydroxysteroid dehydrogenase type 1 ELISA Kit | 17beta-HSD1 elisa kit

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CATALOG #
AAA247148

REACTIVITY
Human

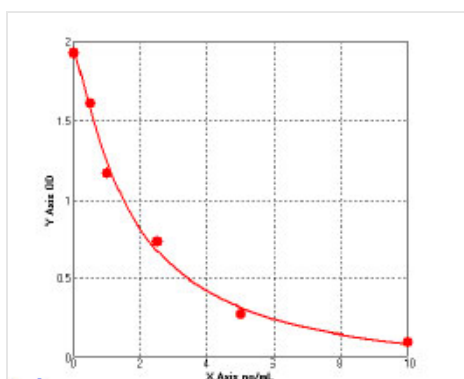
PRODUCT SYNONYMS

17 beta hydroxysteroid dehydrogenase type 1; Human Human 17 beta hydroxysteroid dehydrogenase type 1 ELISA Kit; 17beta-HSD1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	289
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for 17beta-HSD1 elisa kit

Intended Uses: This 17-OHP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep 17-OHP. This ELISA kit for research use only!

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	56121691
Molecular Weight	32,027 Da
NCBI Official Full Name	17-beta hydroxysteroid dehydrogenase type 1
UniProt Protein Name	17-beta hydroxysteroid dehydrogenase type 1
UniProt Gene Name	HSD17B1

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/17beta-hsd1-human-elisa-kits/17-beta-hydroxysteroid-dehydrogenase-type-1/247148>