

Human 11beta Hydroxysteroid dehydrogenase 2 ELISA Kit | 11beta HSD2 elisa kit

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CATALOG #
AAA83379

REACTIVITY
Human

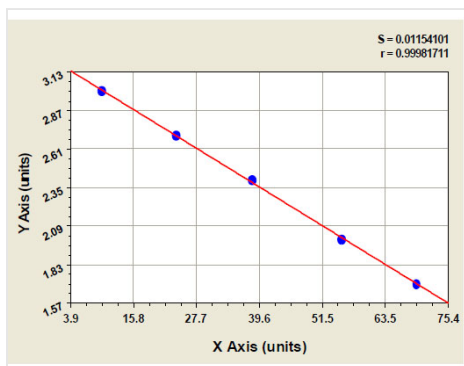
PRODUCT SYNONYMS

11beta Hydroxysteroid dehydrogenase 2; Human 11beta Hydroxysteroid dehydrogenase 2 ELISA Kit; Human 11b Hydroxysteroid dehydrogenase 2 ELISA Kit; 11beta HSD2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	25-500ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This 11beta-HSD2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human 11beta-HSD2. 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 11beta HSD2 elisa kit	Principle of the Assay: 11beta-HSD2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-11beta-HSD2 antibody and an 11beta-HSD2-HRP conjugate. The assay sample and buffer are incubated together with 11beta-HSD2-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 11beta-HSD2 concentration since 11beta-HSD2 from samples and 11beta-HSD2-HRP conjugate compete for the anti-11beta-HSD2 antibody binding site. Since the number of sites is limited, as more sites are occupied by 11beta-HSD2 from the sample, fewer sites are left to bind 11beta-HSD2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The 11beta-HSD2 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for 11beta HSD2 elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	31795533
Molecular Weight	45,075 Da
NCBI Official Full Name	11-beta hydroxysteroid dehydrogenase type 2
UniProt Protein Name	11-beta hydroxysteroid dehydrogenase type 2
UniProt Gene Name	LOC100534505
UniProt Entry Name	Q7ZZV0_ORENI

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/11beta-hsd2-human-elisa-kits/11beta-hydroxysteroid-dehydrogenase-2/83379>