

Rat 11beta-Hydroxysteroid dehydrogenase 2 ELISA Kit | 11beta-HSD2 elisa kit

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CATALOG #
AAA97144

REACTIVITY
Rat

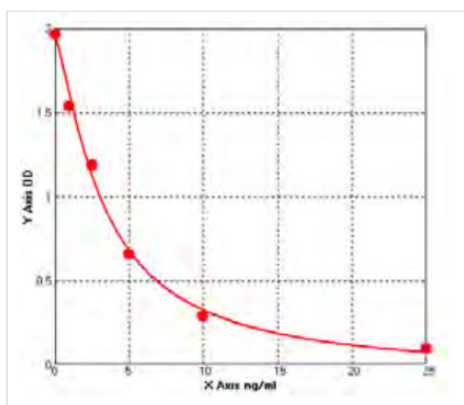
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of 11beta-HSD2. No significant cross-reactivity or interference between 11beta-HSD2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between 11beta-HSD2 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Intended Uses	This 11beta-HSD2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat 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 polyclonal 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. Intended Uses: This 11beta-HSD2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat 11beta-HSD2. This ELISA kit for research use only, not for therapeutic or test applications!
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-rat-elisa-kits/11beta-hydroxysteroid-dehydrogenase-2/97144>