

Rat 11-Beta-Hydroxysteroid Dehydrogenase Type 1 (HSD11b1) ELISA Kit | HSD11b1 elisa kit

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CATALOG # AAA135729	REACTIVITY Rat
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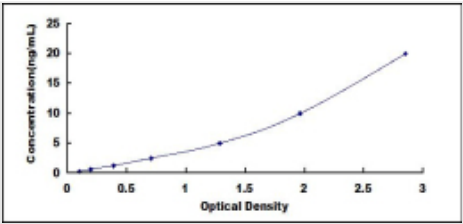
PRODUCT SYNONYMS

11-Beta-Hydroxysteroid Dehydrogenase Type 1 (HSD11b1); Rat 11-Beta-Hydroxysteroid Dehydrogenase Type 1 (HSD11b1) ELISA Kit; 11DH; 11-beta-HSD1; HDL; HSD11; HSD11B; HSD11L; SDR26C1; Corticosteroid 11-beta-dehydrogenase isozyme 1; Short Chain Dehydrogenase/Reductase Family 26C; Member 1; HSD11b1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of 11-Beta-Hydroxysteroid Dehydrogenase Type 1 (HSD11b1). No significant cross-reactivity or interference between 11-Beta-Hydroxysteroid Dehydrogenase Type 1 (HSD11b1) and analogues was observed.
Sequence Length	292
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.117ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level 11-Beta-Hydroxysteroid Dehydrogenase Type 1 (HSD11b1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level 11-Beta-Hydroxysteroid Dehydrogenase Type 1 (HSD11b1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSD11b1 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to 11-Beta-Hydroxysteroid Dehydrogenase Type 1 (HSD11b1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to 11-Beta-Hydroxysteroid Dehydrogenase Type 1 (HSD11b1). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain 11-Beta-Hydroxysteroid Dehydrogenase Type 1 (HSD11b1), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of 11-Beta-Hydroxysteroid Dehydrogenase Type 1 (HSD11b1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for HSD11b1 elisa kit	Enzyme & Kinase; Metabolic pathway; Endocrinology; Cardiovascular biology; Neuroscience; Hepatology; Hormone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	15146338
NCBI GeneID	3290
UniProt Accession #	P28845; B2R9Z1; D3DT89
Molecular Weight	32,401 Da
NCBI Official Full Name	11-beta hydroxysteroid dehydrogenase type 1
NCBI Official Synonym Full Names	hydroxysteroid (11-beta) dehydrogenase 1
NCBI Official Symbol	HSD11B1
NCBI Official Synonym Symbols	HDL; 11-DH; HSD11; HSD11B; HSD11L; CORTRD2; SDR26C1; 11-beta-HSD1
NCBI Protein Information	corticosteroid 11-beta-dehydrogenase isozyme 1
UniProt Protein Name	Corticosteroid 11-beta-dehydrogenase isozyme 1
UniProt Gene Name	HSD11B1
UniProt Synonym Gene Names	HSD11; HSD11L; SDR26C1; 11-DH; 11-beta-HSD1
UniProt Entry Name	DHI1_HUMAN

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.