

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

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CATALOG #
AAA135833

REACTIVITY
Human

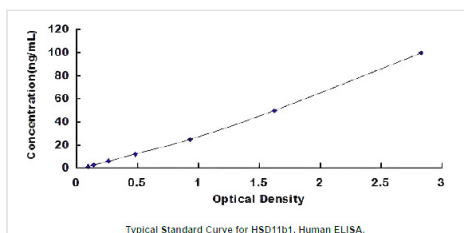
PRODUCT SYNONYMS

11-Beta-Hydroxysteroid Dehydrogenase Type 1 (HSD11b1); Human 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	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of HSD11b1. No significant cross-reactivity or interference between HSD11b1 and analogues was observed.
Sequence Length	292
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	1.56-100ng/mL
Sensitivity	0.56ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level HSD11b1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level HSD11b1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of HSD11b1 in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to HSD11b1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to 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 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 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.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/11-beta-hydroxysteroid-dehydrogenase-type-1-hsd11b1/135833>