

Human 11-Beta-Hydroxysteroid Dehydrogenase Type 3 (HSD11b3) ELISA Kit | HSD11b3 elisa kit

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CATALOG # AAA67788	REACTIVITY Human
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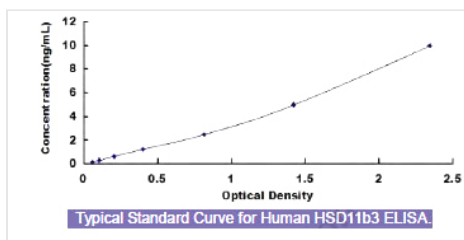
PRODUCT SYNONYMS

11-Beta-Hydroxysteroid Dehydrogenase Type 3 (HSD11b3); Human 11-Beta-Hydroxysteroid Dehydrogenase Type 3 (HSD11b3) ELISA Kit; HSD11b1L; SCDR10; HSD3; SDR26C2; 11-Beta Hydroxysteroid Dehydrogenase Type 1 Like Protein; Short chain dehydrogenase/reductase family 26C member 2; HSD11b3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of HSD11b3. No significant cross-reactivity or interference between HSD11b3 and analogues was observed.
Sequence Length	287
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.065ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level HSD11b3 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 HSD11b3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSD11b3 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of HSD11b3 in human tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to HSD11b3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to HSD11b3. 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 HSD11b3, 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 HSD11b3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	157743316
NCBI GeneID	100006793
NCBI Accession #	NP_001099077.1
NCBI GenBank Nucleotide #	NM_001105607.1
UniProt Accession #	Q6PUF3
Molecular Weight	31,918 Da
NCBI Official Full Name	short-chain dehydrogenase/reductase 10
NCBI Official Synonym Full Names	hydroxysteroid (11-beta) dehydrogenase 1-like a
NCBI Official Symbol	LOC100006793
NCBI Official Synonym Symbols	11-DH3; sdr10b; hsd11b3; hsd11b1l; hsd11b3a; zgc:56373
NCBI Protein Information	short-chain dehydrogenase/reductase 10
UniProt Protein Name	Hydroxysteroid 11-beta-dehydrogenase 1-like protein
UniProt Gene Name	hsd11b1l
UniProt Synonym Gene Names	hsd11b3; hsd3; 11-DH3; 11-beta-HSD3

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/human-elisa-kits/11-beta-hydroxysteroid-dehydrogenase-type-3-hsd11b3/67788>