

Human 3-Beta-Hydroxysteroid Dehydrogenase Type 1 (HSD3b1) ELISA Kit | HSD3b1 elisa kit

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CATALOG # AAA68577	REACTIVITY Human
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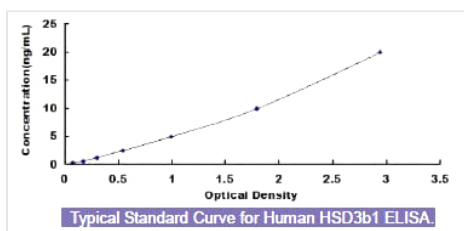
PRODUCT SYNONYMS

3-Beta-Hydroxysteroid Dehydrogenase Type 1 (HSD3b1); Human 3-Beta-Hydroxysteroid Dehydrogenase Type 1 (HSD3b1) ELISA Kit; HSD3B HSD3C SDR11E1 Short Chain Dehydrogenase/Reductase Family 11E; Member 1 Hydroxy Delta 5 Steroid Dehydrogenase 3 Beta And Steroid Delta Isomerase 1; HSD3b1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of HSD3b1. No significant cross-reactivity or interference between HSD3b1 and analogues was observed.
Sequence Length	373
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	<0.114ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level HSD3b1 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 HSD3b1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSD3b1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of HSD3b1 in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to HSD3b1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to HSD3b1. 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 HSD3b1, 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 HSD3b1 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 #	4504507
NCBI GeneID	3283
NCBI Accession #	NP_000853.1
NCBI GenBank Nucleotide #	NM_000862.2
UniProt Accession #	P14060; Q14545; Q8IV65; A8K691
Molecular Weight	42,252 Da
NCBI Official Full Name	3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 1
NCBI Official Synonym Full Names	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1
NCBI Official Symbol	HSD3B1
NCBI Official Synonym Symbols	I; HSD3B; HSDB3; HSDB3A; SDR11E1; 3BETAHSD
NCBI Protein Information	3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 1
UniProt Protein Name	3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 1
UniProt Gene Name	HSD3B1
UniProt Synonym Gene Names	3BH; HSDB3A; 3-beta-HSD I

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/3-beta-hydroxysteroid-dehydrogenase-type-1-hsd3b1/68577>