

Human 3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 1 ELISA Kit | HSD3B1 elisa kit

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CATALOG # AAA17399	REACTIVITY Human
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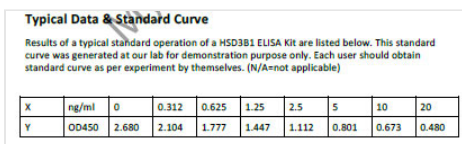
PRODUCT SYNONYMS

3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 1; Human 3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 1 ELISA Kit; HSD3B1/3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type I (3-beta-HSD I)/Trophoblast antigen FDO161G/3BH/HSDB3A; HSD3B1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of HSD17B1. No significant cross-reactivity or interference between HSD17B1 and analogues is observed.
Sequence Length	373
Assay Type	Competitive ELISA, Coated with Antigen
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level HSD17B1 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level HSD17B1 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSD3B1 elisa kit	Principle of the Assay: This kit was based on Competitive-ELISA detection method. The microtiter plate provided in this kit has been pre-coated with HSD17B1. During the reaction, HSD17B1 in the sample or standard competes with a fixed amount of HSD17B1 on the solid phase supporter for sites on the Biotinylated Detection Antibody specific to HSD17B1. Excess conjugate and unbound sample or standard are washed from the plate, and HRP-Streptavidin (SABC) is added to each microplate well and incubated. Then TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. The concentration of HSD17B1 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 #	59797058
NCBI GeneID	360348
NCBI Accession #	NP_001007720.3
NCBI GenBank Nucleotide #	NM_001007719.3
Molecular Weight	42,037 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 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	3-beta-HSD I
UniProt Entry Name	3BHS1_RAT

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/hsd3b1-human-elisa-kits/3-beta-hydroxysteroid-dehydrogenase-delta-5-4-isomerase-type-1/17399>