

Human 17-Beta-Hydroxysteroid Dehydrogenase Type 3 (HSD17b3) ELISA Kit | HSD17b3 elisa kit

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CATALOG #
AAA64968

REACTIVITY
Human

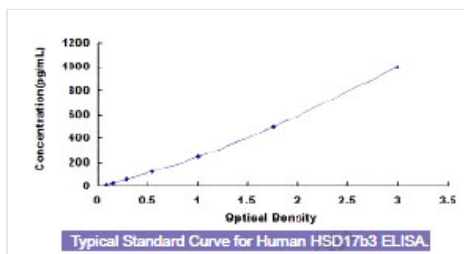
PRODUCT SYNONYMS

17-Beta-Hydroxysteroid Dehydrogenase Type 3 (HSD17b3); Human 17-Beta-Hydroxysteroid Dehydrogenase Type 3 (HSD17b3) ELISA Kit; SDR12C2; EDH17B3; Short Chain Dehydrogenase/Reductase Family 12C; Member 2; Testosterone 17-Beta-Dehydrogenase 3; Testicular 17-beta-hydroxysteroid dehydrogenase; HSD17b3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of HSD17b3. No significant cross-reactivity or interference between HSD17b3 and analogues was observed.
Sequence Length	310
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	15.625-1000pg/mL
Sensitivity	6.4pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level HSD17b3 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 HSD17b3 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 HSD17b3 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of HSD17b3 in human serum, plasma, 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 HSD17b3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to HSD17b3. 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 HSD17b3, 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 HSD17b3 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 #	4557649
NCBI GeneID	3293
NCBI Accession #	NP_000188.1
NCBI GenBank Nucleotide #	NM_000197.1
UniProt Accession #	P37058; Q5U0Q6
Molecular Weight	29,109 Da
NCBI Official Full Name	testosterone 17-beta-dehydrogenase 3
NCBI Official Synonym Full Names	hydroxysteroid 17-beta dehydrogenase 3
NCBI Official Symbol	HSD17B3
NCBI Official Synonym Symbols	EDH17B3; SDR12C2
NCBI Protein Information	testosterone 17-beta-dehydrogenase 3
UniProt Protein Name	Testosterone 17-beta-dehydrogenase 3
UniProt Gene Name	HSD17B3
UniProt Synonym Gene Names	EDH17B3; SDR12C2; 17-beta-HSD 3

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/17-beta-hydroxysteroid-dehydrogenase-type-3-hsd17b3/64968>