

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

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CATALOG #
AAA191241

REACTIVITY
Human

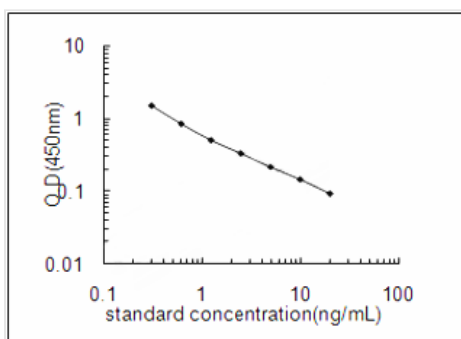
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay recognizes recombinant and natural Human HSD3B1. No significant cross-reactivity or interference was observed.
Sequence Length	373
Assay Type	Competitive
Detection Range	0.312-20 ng/mL
Sensitivity	0.19ng/mL
Intra-Assay CV	<=4.4%
Inter-Assay CV	<=7.9%
Recovery	96%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSD3B1 elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of human 3 beta-hydroxysteroid dehydrogenase/delta 5-->4-isomerase type 1,HSD3B1 concentrations in serum, plasma, tissue homogenates, cell culture supernates, and other biological fluids. Principle of the Assay: The ELISA is based on the competitive binding enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to HSD3B1, During the reaction, HSD3B1 in the sample or standard competes with a fixed amount of biotin-labeled HSD3B1 for sites on a pre-coated Monoclonal antibody specific to HSD3B1. Excess conjugate and unbound sample or standard are washed from the plate. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a 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 ± 2 nm. 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
UniProt Entry Name	3BHS1_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.