

Rat 3-Beta-Hydroxysteroid Dehydrogenase Type 1 (HSD3b1) RTU ELISA Kit | HSD3b1 rtu elisa kit

Rat 3-Beta-Hydroxysteroid Dehydrogenase Type 1 (HSD3b1) ELISA Kit

CATALOG # AAA71228	REACTIVITY Rat
------------------------------	--------------------------

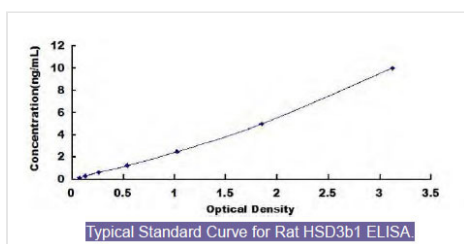
PRODUCT SYNONYMS

3-Beta-Hydroxysteroid Dehydrogenase Type 1 (HSD3b1); Rat 3-Beta-Hydroxysteroid Dehydrogenase Type 1 (HSD3b1) ELISA Kit; HSD3B HSD3S SDR11E1 Short Chain Dehydrogenase/Reductase Family 11E; Member 1 Hydroxy Delta 5 Steroid Dehydrogenase 3 Beta And Steroid Delta Isomerase 1; HSD3b1 rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
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	0.156-10ng/mL
Sensitivity	< 0.063ng/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%
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSD3b1 rtu elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of HSD3b1 in rat 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.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	59797058
NCBI GeneID	360348
NCBI Accession #	NP_001007720.3
NCBI GenBank Nucleotide #	NM_001007719.3
UniProt Accession #	P22071; Q19P43
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

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.