

Rat Steroid 5 Alpha Reductase 2 (SRD5a2) ELISA Kit | SRD5a2 elisa kit

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CATALOG #
AAA63351

REACTIVITY
Rat

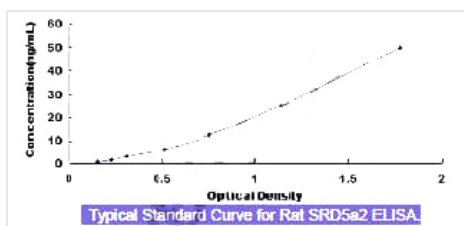
PRODUCT SYNONYMS

Steroid 5 Alpha Reductase 2 (SRD5a2); Rat Steroid 5 Alpha Reductase 2 (SRD5a2) ELISA Kit; 3-Oxo-5 Alpha-Steroid Delta 4-Dehydrogenase Alpha 2; SRD5a2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of SRD5a2. No significant cross-reactivity or interference between SRD5a2 and analogues was observed.
Sequence Length	254
Samples	Rat serum, plasma, tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.781-50ng/mL
Sensitivity	<0.24ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SRD5a2 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 SRD5a2 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 SRD5a2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of SRD5a2 in rat serum, plasma, tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to SRD5a2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to SRD5a2. 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 SRD5a2, 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 SRD5a2 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 #	12083683
NCBI GeneID	64677
NCBI Accession #	NP_073202.1
NCBI GenBank Nucleotide #	NM_022711.4
UniProt Accession #	P31214
Molecular Weight	28,772 Da
NCBI Official Full Name	3-oxo-5-alpha-steroid 4-dehydrogenase 2
NCBI Official Synonym Full Names	steroid 5 alpha-reductase 2
NCBI Official Symbol	Srd5a2
NCBI Official Synonym Symbols	S5AR 2
NCBI Protein Information	3-oxo-5-alpha-steroid 4-dehydrogenase 2
UniProt Protein Name	3-oxo-5-alpha-steroid 4-dehydrogenase 2
UniProt Gene Name	Srd5a2
UniProt Synonym Gene Names	S5AR 2

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.