

Rat Steroid 5 Alpha Reductase 1 (SRD5a1) RTU ELISA Kit | SRD5a1 rtu elisa kit

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CATALOG #
AAA218567

REACTIVITY
Rat

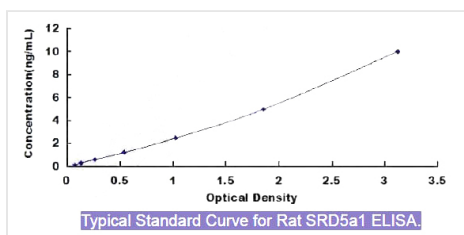
PRODUCT SYNONYMS

Steroid 5 Alpha Reductase 1 (SRD5a1); Rat Steroid 5 Alpha Reductase 1 (SRD5a1) ELISA Kit; 3-Oxo-5 Alpha-Steroid Delta 4-Dehydrogenase Alpha 1; SRD5a1 rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of SRD5a1. No significant cross-reactivity or interference between SRD5a1 and analogues was observed.
Sequence Length	255
Assay Type	Quantitative Sandwich
Samples	Rat tissue homogenates, cell lysates or other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.058ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SRD5a1 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 SRD5a1 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 SRD5a1 rtu elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to SRD5a1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to SRD5a1. 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 SRD5a1, 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 SRD5a1 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of SRD5a1 in rat tissue homogenates, cell lysates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	77404421
NCBI GeneID	24950
NCBI Accession #	NP_058766.2
NCBI GenBank Nucleotide #	NM_017070.3
UniProt Accession #	P24008; A0JJP6
Molecular Weight	29,339 Da
NCBI Official Full Name	3-oxo-5-alpha-steroid 4-dehydrogenase 1
NCBI Official Synonym Full Names	steroid 5 alpha-reductase 1
NCBI Official Symbol	Srd5a1
NCBI Official Synonym Symbols	S5AR 1
NCBI Protein Information	3-oxo-5-alpha-steroid 4-dehydrogenase 1
UniProt Protein Name	3-oxo-5-alpha-steroid 4-dehydrogenase 1
UniProt Gene Name	Srd5a1
UniProt Synonym Gene Names	S5AR 1

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/rat-rtu-elisa-kits/steroid-5-alpha-reductase-1-srd5a1/218567>