

Human 3-oxo-5-alpha-steroid 4-dehydrogenase 1 ELISA Kit | SRD5A1 elisa kit

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CATALOG #
AAA194216

REACTIVITY
Human

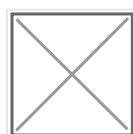
PRODUCT SYNONYMS

3-oxo-5-alpha-steroid 4-dehydrogenase 1; Human 3-oxo-5-alpha-steroid 4-dehydrogenase 1 ELISA Kit; SR type 1; Steroid 5-alpha-reductase 1; S5AR 1; SRD5A1; 1.3.1.22; SRD5A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay recognizes recombinant and natural human 3-oxo-5-alpha-steroid 4-dehydrogenase 1. No significant cross-reactivity or interference was observed.
Sequence Length	259
Assay Type	Sandwich
Detection Range	0.156-10 ng/ml
Sensitivity	0.078ng/mL
Intra-Assay CV	<=6.7%
Inter-Assay CV	<=10.2%
Recovery	100%
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 SRD5A1 elisa kit

Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of human 3-oxo-5-alpha-steroid 4-dehydrogenase 1 concentrations in serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to 3-oxo-5-alpha-steroid 4-dehydrogenase 1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for 3-oxo-5-alpha-steroid 4-dehydrogenase 1 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain 3-oxo-5-alpha-steroid 4-dehydrogenase 1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. 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 $\pm$ 2 nm. The concentration of 3-oxo-5-alpha-steroid 4-dehydrogenase 1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507201
NCBI GeneID	6715
NCBI Accession #	NP_001038.1
NCBI GenBank Nucleotide #	NM_001047.2
UniProt Accession #	P18405; Q9UHY4; Q9UP36; Q9UP37; B2R7Q1
Molecular Weight	29,459 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
UniProt Entry Name	S5A1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/srd5a1-human-elisa-kits/3-oxo-5-alpha-steroid-4-dehydrogenase-1/194216>