

Rat Steroid 5-Alpha-Reductase 1 (SRD5A1) ELISA Kit | SRD5A1 elisa kit

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CATALOG #
AAA330201

REACTIVITY
Rat

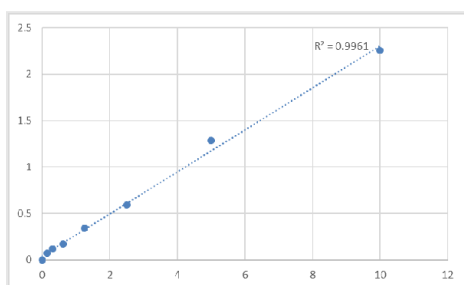
PRODUCT SYNONYMS

Steroid 5-Alpha-Reductase 1 (SRD5A1); Rat Steroid 5-Alpha-Reductase 1 (SRD5A1) ELISA Kit; SRD5A1; 3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1; 5-alpha reductase; steroid 5-alpha-reductase type I; steroid-5-alpha-reductase 1; SRD5A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Rat Steroid 5-Alpha-Reductase 1 (SRD5A1) ELISA Kit has high sensitivity and excellent specificity for detection of Rat SRD5A1. No significant cross-reactivity or interference between Rat SRD5A1 and analogues was observed.
Sequence Length	255
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Rat Steroid 5-Alpha-Reductase 1 (SRD5A1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SRD5A1 elisa kit	Description: This Rat Steroid 5-Alpha-Reductase 1 (SRD5A1) ELISA Kit employs a two-site sandwich ELISA to quantitate SRD5A1 in samples. An antibody specific for SRD5A1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SRD5A1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SRD5A1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SRD5A1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: SRD5a1 isozyme is not detectable in the fetus, is transiently expressed in newborn skin and scalp, and is permanently expressed in skin from the time of puberty. There was no qualitative difference in 5-alpha-reductase type 1 expression between adult balding versus nonbalding scalp. The type 2 isozyme was transiently expressed in skin and scalp of newborns. Type 2 is the predominant isozyme detectable in fetal genital skin, in male accessory sex organs, and in the prostate, including benign prostatic hyperplasia and prostate adenocarcinoma tissues. These results were considered consistent with 5-alpha-reductase type 1 being responsible for the virilization in type 2-deficient subjects during puberty and suggested that the type 2 isozyme may be an initiating factor in the development of male pattern baldness.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	77404421
NCBI GeneID	24950
NCBI Accession #	NP_058766.2
NCBI GenBank Nucleotide #	NP_058766.2
UniProt Accession #	P24008
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.