

Canine 3-oxo-5-alpha-steroid 4-dehydrogenase 1 (SRD5A1) ELISA Kit | SRD5A1 elisa kit

Canine 3-oxo-5-alpha-steroid 4-dehydrogenase 1 (SRD5A1) ELISA Kit

CATALOG #
AAA245561

REACTIVITY
Canine

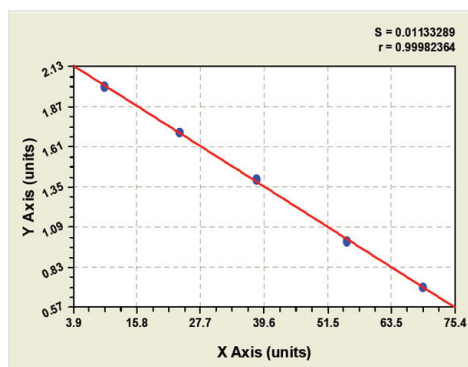
PRODUCT SYNONYMS

3-oxo-5-alpha-steroid 4-dehydrogenase 1 (SRD5A1); Canine 3-oxo-5-alpha-steroid 4-dehydrogenase 1 (SRD5A1) ELISA Kit; SRD5A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This SRD5A1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine SRD5A1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SRD5A1 elisa kit

Principle of the assay: SRD5A1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-SRD5A1 antibody and an SRD5A1-HRP conjugate. The assay sample and buffer are incubated together with SRD5A1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the SRD5A1 concentration since SRD5A1 from samples and SRD5A1-HRP conjugate compete for the anti-SRD5A1 antibody binding site. Since the number of sites is limited, as more sites are occupied by SRD5A1 from the sample, fewer sites are left to bind SRD5A1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SRD5A1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for SRD5A1 elisa kit

Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507201
NCBI GeneID	6715
NCBI Accession #	NP_001038.1
NCBI GenBank Nucleotide #	NM_001047.2
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, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1)
NCBI Official Symbol	SRD5A1
NCBI Official Synonym Symbols	S5AR 1
NCBI Protein Information	3-oxo-5-alpha-steroid 4-dehydrogenase 1; SR type 1; 5-alpha reductase; steroid 5-alpha-reductase 1; steroid 5-alpha-reductase type I; 3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 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/canine-elisa-kits/3-oxo-5-alpha-steroid-4-dehydrogenase-1-srd5a1/245561>