

Canine 17-Alpha Hydroxylase ELISA Kit | S17AH elisa kit

Canine 17-Alpha Hydroxylase ELISA Kit

CATALOG #
AAA89181

REACTIVITY
Canine

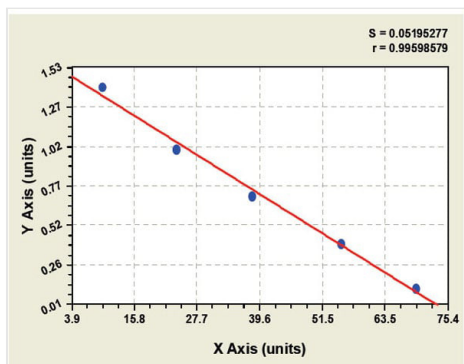
PRODUCT SYNONYMS

17-Alpha Hydroxylase; Canine 17-Alpha Hydroxylase ELISA Kit; S17AH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This S17AH ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine S17AH. 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 S17AH elisa kit

Principle of the Assay: S17AH ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-S17AH antibody and an S17AH-HRP conjugate. The assay sample and buffer are incubated together with S17AH-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 S17AH concentration since S17AH from samples and S17AH-HRP conjugate compete for the anti-S17AH antibody binding site. Since the number of sites is limited, as more sites are occupied by S17AH from the sample, fewer sites are left to bind S17AH-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The S17AH concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503195
NCBI GeneID	1586
NCBI Accession #	NP_000093.1
NCBI GenBank Nucleotide #	NM_000102.3
Molecular Weight	57,371 Da
NCBI Official Full Name	steroid 17-alpha-hydroxylase/17,20 lyase
NCBI Official Synonym Full Names	cytochrome P450, family 17, subfamily A, polypeptide 1
NCBI Official Symbol	CYP17A1
NCBI Official Synonym Symbols	CPT7; CYP17; S17AH; P450C17
NCBI Protein Information	steroid 17-alpha-hydroxylase/17,20 lyase; CYPXVII; cytochrome P450c17; cytochrome P450-C17; cytochrome P450 17A1; cytochrome p450 XVIIA1; steroid 17-alpha-monooxygenase; 17-alpha-hydroxyprogesterone aldolase; cytochrome P450, subfamily XVII (steroid 17-alpha-hydroxylase), adrenal hyperplasia
UniProt Protein Name	Steroid 17-alpha-hydroxylase/17,20 lyase
UniProt Gene Name	CYP17A1
UniProt Synonym Gene Names	CYP17; S17AH; Cytochrome P450c17
UniProt Entry Name	CP17A_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.

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Online datasheet: <https://stage.aaabiotech.com/s17ah-canine-elisa-kits/17-alpha-hydroxylase/89181>