

Chicken 17-Alpha Hydroxylase ELISA Kit | S17AH elisa kit

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CATALOG #
AAA89424

REACTIVITY
Chicken

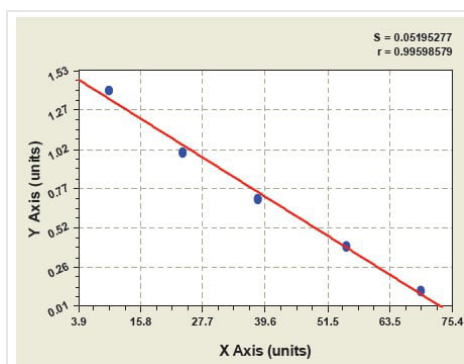
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

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

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.

Product Categories/Family for S17AH elisa kit

Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503195
NCBI GeneID	1586
NCBI Accession #	NP_000093.1
NCBI GenBank Nucleotide #	NM_000102.3
UniProt Accession #	P05093; Q5TZV7; Q1HB44
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; 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-chicken-elisa-kits/17-alpha-hydroxylase/89424>