

Human Aldosterone Synthase (ALDOS) ELISA Kit | ALDOS elisa kit

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CATALOG #
AAA148551

REACTIVITY
Human

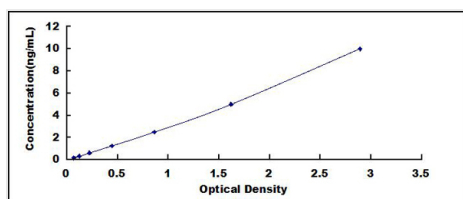
PRODUCT SYNONYMS

Aldosterone Synthase (ALDOS); Human Aldosterone Synthase (ALDOS) ELISA Kit; CPN2; CYP11B; CYP11BL; CYP11B2; P450C18; P450aldo; Steroid 18-hydroxylase; Aldosterone-synthesizing enzyme; Cytochrome P450 Family 11 Subfamily B Polypeptide 2; ALDOS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Aldosterone Synthase (ALDOS). No significant cross-reactivity or interference between Aldosterone Synthase (ALDOS) and analogues was observed.
Sequence Length	503
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates And Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.054ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Aldosterone Synthase (ALDOS) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Aldosterone Synthase (ALDOS) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ALDOS elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Aldosterone Synthase (ALDOS). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Aldosterone Synthase (ALDOS). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Aldosterone Synthase (ALDOS), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Aldosterone Synthase (ALDOS) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for ALDOS elisa kit	Enzyme & Kinase; Metabolic pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	119829183
NCBI GeneID	1585
NCBI Accession #	NP_000489.3
NCBI GenBank Nucleotide #	NM_000498.3
UniProt Accession #	P19099; Q16726; B0ZBE4
Molecular Weight	57,560 Da
NCBI Official Full Name	cytochrome P450 11B2, mitochondrial
NCBI Official Synonym Full Names	cytochrome P450 family 11 subfamily B member 2
NCBI Official Symbol	CYP11B2
NCBI Official Synonym Symbols	CPN2; ALDOS; CYP11B; CYP11BL; CYPXIB2; P450C18; P-450C18; P450aldo
NCBI Protein Information	cytochrome P450 11B2, mitochondrial
UniProt Protein Name	Cytochrome P450 11B2, mitochondrial
UniProt Gene Name	CYP11B2
UniProt Synonym Gene Names	ALDOS

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/human-elisa-kits/aldosterone-synthase-aldos/148551>