

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

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CATALOG #
AAA68477

REACTIVITY
Human

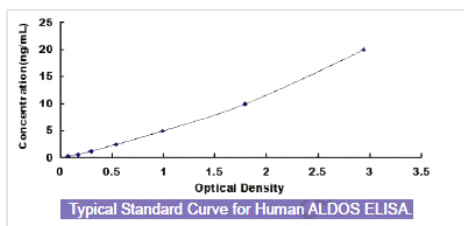
PRODUCT SYNONYMS

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 ALDOS. No significant cross-reactivity or interference between ALDOS and analogues was observed.
Sequence Length	316
Samples	Serum, plasma, tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	<0.112ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ALDOS were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ALDOS were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ALDOS elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of ALDOS in human serum, plasma, tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ALDOS. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to 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 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 ALDOS in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502049
NCBI GeneID	231
NCBI Accession #	NP_001619.1
NCBI GenBank Nucleotide #	NM_001628.3
UniProt Accession #	P15121; Q5U031; Q6FGA4; Q6ICP2; Q9BS21; Q9UCI9; B2R8N3
Molecular Weight	35,853 Da
NCBI Official Full Name	aldose reductase isoform 1
NCBI Official Synonym Full Names	aldo-keto reductase family 1 member B
NCBI Official Symbol	AKR1B1
NCBI Official Synonym Symbols	AR; ADR; ALR2; ALDR1
NCBI Protein Information	aldose reductase
UniProt Protein Name	Aldose reductase
UniProt Gene Name	AKR1B1
UniProt Synonym Gene Names	ALDR1; AR

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.