

Human Aldo-keto reductase family 1 member C4 ELISA Kit | AKR1C4 elisa kit

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CATALOG #
AAA195900

REACTIVITY
Human

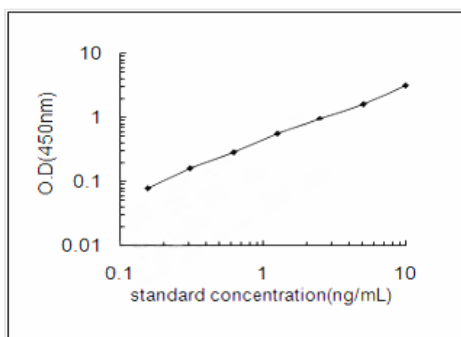
PRODUCT SYNONYMS

Aldo-keto reductase family 1 member C4; Human Aldo-keto reductase family 1 member C4 ELISA Kit; 3-alpha-HSD1; 3-alpha-hydroxysteroid dehydrogenase type I; Chlordecone reductase; CDR; Dihydrodiol dehydrogenase 4; DD-4; DD4; HAKRA; AKR1C4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay recognizes recombinant and natural human AKR1C4. No significant cross-reactivity or interference was observed.
Sequence Length	323
Assay Type	Sandwich
Detection Range	0.156-10 ng/mL
Sensitivity	0.078ng/mL
Intra-Assay CV	<=3.6%
Inter-Assay CV	<=7.6%
Recovery	100%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AKR1C4 elisa kit	Intended Uses This immunoassay kit allows for the in vitro quantitative determination of human aldo-keto reductase family 1 member c4,AKR1C4 concentrations in serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to AKR1C4. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for AKR1C4 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain AKR1C4, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of AKR1C4 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 #	325652083
NCBI GeneID	1109
NCBI Accession #	NP_001809.3
NCBI GenBank Nucleotide #	NM_001818.3
UniProt Accession #	P17516; Q5T6A3; Q8WW84; Q9NS54; AAB47003
Molecular Weight	37,067 Da
NCBI Official Full Name	aldo-keto reductase family 1 member C4
NCBI Official Synonym Full Names	aldo-keto reductase family 1, member C4
NCBI Official Symbol	AKR1C4
NCBI Official Synonym Symbols	C11; CDR; DD4; CHDR; DD-4; HAKRA; 3-alpha-HSD
NCBI Protein Information	aldo-keto reductase family 1 member C4
UniProt Protein Name	Aldo-keto reductase family 1 member C4
UniProt Gene Name	AKR1C4
UniProt Synonym Gene Names	CHDR; CDR; DD-4; DD4
UniProt Entry Name	AK1C4_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/akr1c4-human-elisa-kits/aldo-keto-reductase-family-1-member-c4/195900>