Human Aldo keto reductase family 1 member C2 (AKR1C2) ELISA Kit | AKR1C2 elisa kit

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CATALOG #	REACTIVITY
AAA27365	**Human**

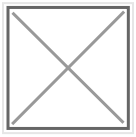
PRODUCT SYNONYMS

Aldo keto reductase family 1 member C2 (AKR1C2); Human Aldo keto reductase family 1 member C2 (AKR1C2) ELISA Kit; AKR1C2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of AKR1C2. No significant cross-reactivity or interference between AKR1C2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between AKR1C2 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AKR1C2 elisa kit	Principle of the Assay: AKR1C2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-AKR1C2 antibody and an AKR1C2-HRP conjugate. The assay sample and buffer are incubated together with AKR1C2-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 AKR1C2 concentration since AKR1C2 from samples and AKR1C2-HRP conjugate compete for the anti-AKR1C2 antibody binding site. Since the number of sites is limited, as more sites are occupied by AKR1C2 from the sample, fewer sites are left to bind AKR1C2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AKR1C2 concentration in each sample is interpolated from this standard curve. Intended Uses: This AKR1C2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human AKR1C2. This ELISA kit for research use only, not for therapeutic or diagnostic applications!

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503285

NCBI GeneID	1646
NCBI Accession #	NP_001345.1
NCBI GenBank Nucleotide #	NM_001354.5
Molecular Weight	15,748 Da
NCBI Official Full Name	aldo-keto reductase family 1 member C2 isoform 1
NCBI Official Synonym Full Names	aldo-keto reductase family 1, member C2
NCBI Official Symbol	AKR1C2
NCBI Official Synonym Symbols	DD; DD2; TDD; BABP; DDH2; HBAB; HAKRD; MCDR2; SRXY8; AKR1C-pseudo
NCBI Protein Information	aldo-keto reductase family 1 member C2; DD-2; DD/BABP; 3-alpha-HSD3; pseudo-chlordecone reductase; type II dihydrodiol dehydrogenase; chlordecone reductase homolog HAKRD; testicular 17,20-desmolase deficiency; trans-1,2-dihydrobenzene-1,2-diol dehydrogenase; dihydrodiol dehydrogenase 2; bile acid binding protein; 3-alpha hydroxysteroid dehydrogenase, type III
UniProt Protein Name	Aldo-keto reductase family 1 member C2
UniProt Gene Name	**AKR1C2**
UniProt Synonym Gene Names	DDH2; DD-2; DD2; DD/BABP
UniProt Entry Name	AK1C2_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/human-elisa-kits/aldo-keto-reductase-family-1-member-c2-akr1c2/27365