

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

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CATALOG #
AAA244930

REACTIVITY
Human

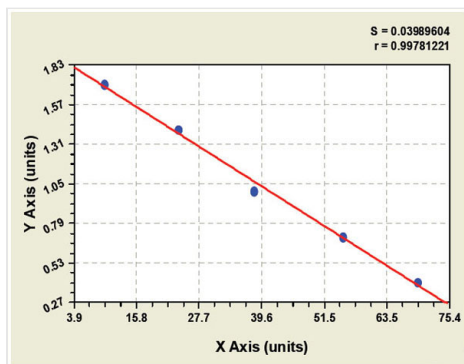
PRODUCT SYNONYMS

Aldo keto reductase family 1 member C4 (AKR1C4); Human Aldo keto reductase family 1 member C4 (AKR1C4) ELISA Kit; AKR1C4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	250-5000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This AKR1C4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human AKR1C4. 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)

ADDITIONAL INFORMATION

Related Product Information for AKR1C4 elisa kit

Principle of the assay: AKR1C4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-AKR1C4 antibody and an AKR1C4-HRP conjugate. The assay sample and buffer are incubated together with AKR1C4-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 AKR1C4 concentration since AKR1C4 from samples and AKR1C4-HRP conjugate compete for the anti-AKR1C4 antibody binding site. Since the number of sites is limited, as more sites are occupied by AKR1C4 from the sample, fewer sites are left to bind AKR1C4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AKR1C4 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	325652083
NCBI GeneID	1109
NCBI Accession #	NP_001809.3
NCBI GenBank Nucleotide #	NM_001818.3
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; 3-alpha-HSD1; dihydrodiol dehydrogenase isozyme DD4; type I 3-alpha-hydroxysteroid dehydrogenase; chlordecone reductase; 3-alpha hydroxysteroid dehydrogenase, type I; dihydrodiol dehydrogenase 4
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/human-elisa-kits/aldo-keto-reductase-family-1-member-c4-akr1c4/244930>