

Human Aldo-keto reductase family 1 member C1 ELISA Kit | AKR1C1 elisa kit

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CATALOG #
AAA99465

REACTIVITY
Human

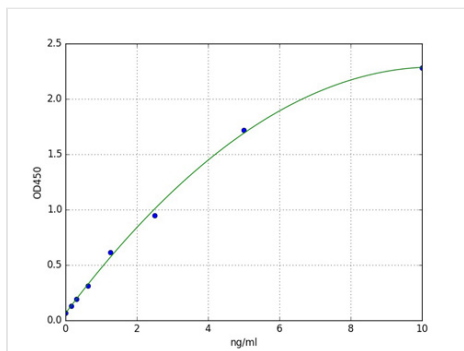
PRODUCT SYNONYMS

Aldo-keto reductase family 1 member C1; Human Aldo-keto reductase family 1 member C1 ELISA Kit; AKR1C1/Aldo-keto reductase family 1 member C1/Trans-1; 2-dihydrobenzene-1; 2-diol dehydrogenase/Indanol dehydrogenase/High-affinity hepatic bile acid-binding protein/HBAB/Dihydrodiol dehydrogenase 1/2/DD1/DD2/20-alpha-hydroxysteroid dehydrogenase/20-alpha-HSD/Chlordecone reductase homolog HAKRC/DDH/DDH1/C9/H-37/MBAB/2-ALPHA-HSD; AKR1C1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	323
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve
Results of a typical standard run of a Human AKR1C1 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.057	0.148	0.205	0.305	0.532	0.922	1.550	2.304

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AKR1C1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human AKR1C1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human AKR1C1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human AKR1C1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human AKR1C1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453543
NCBI GeneID	1645
NCBI Accession #	NP_001344.2
NCBI GenBank Nucleotide #	NM_001353.5
Molecular Weight	36,788 Da
NCBI Official Full Name	aldo-keto reductase family 1 member C1
NCBI Official Synonym Full Names	aldo-keto reductase family 1, member C1
NCBI Official Symbol	AKR1C1
NCBI Official Synonym Symbols	C9; DD1; DDH; DDH1; H-37; HBAB; MBAB; HAKRC; DD1/DD2; 2-ALPHA-HSD; 20-ALPHA-HSD
NCBI Protein Information	aldo-keto reductase family 1 member C1
UniProt Protein Name	Aldo-keto reductase family 1 member C1
UniProt Gene Name	AKR1C1
UniProt Synonym Gene Names	DDH; DDH1; 20-alpha-HSD; DD1/DD2; HBAB
UniProt Entry Name	AK1C1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/akr1c1-human-elisa-kits/aldo-keto-reductase-family-1-member-c1/99465>