

Human Aldo-keto reductase family 1 member B10 ELISA Kit | AKR1B10 elisa kit

Human Aldo-keto reductase family 1 member B10 ELISA Kit

CATALOG #
AAA98787

REACTIVITY
Human

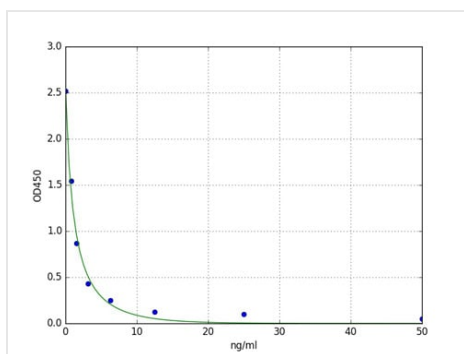
PRODUCT SYNONYMS

Aldo-keto reductase family 1 member B10; Human Aldo-keto reductase family 1 member B10 ELISA Kit; AKR1B10/Aldo-keto reductase family 1 member B10/Small intestine reductase/SI reductase/Aldose reductase-related protein/ARP/hARP/ARL-1/Aldose reductase-like; AKR1B10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	316
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.781-50ng/ml
Sensitivity	0.469ng/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 AKR1B10 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	0.78	1.56	3.12	6.25	12.5	25	50
Y	OD450	2.3	1.915	1.623	1.311	0.992	0.698	0.512	0.441

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AKR1B10 elisa kit

Principle of the Assay||This ELISA kit uses Competitive-ELISA as the method. The microtiter plate provided in this kit has been pre-coated with an antibody specific to AKR1B10. During the reaction,AKR1B10 in the sample or standard competes with a fixed amount of biotin-labeled AKR1B10 for sites on a pre-coated Monoclonal antibody specific to AKR1B10. Excess conjugate and unbound sample or standard are washed from the plate, and HRP-Streptavidin (SABC) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. 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. The concentration of AKR1B10 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	223468663
NCBI GeneID	57016
NCBI Accession #	NP_064695.3
NCBI GenBank Nucleotide #	NM_020299.4
Molecular Weight	36,020 Da
NCBI Official Full Name	aldo-keto reductase family 1 member B10
NCBI Official Synonym Full Names	aldo-keto reductase family 1, member B10 (aldose reductase)
NCBI Official Symbol	AKR1B10
NCBI Official Synonym Symbols	HIS; HSI; ARL1; ARL-1; ALDRLn; AKR1B11; AKR1B12
NCBI Protein Information	aldo-keto reductase family 1 member B10
UniProt Protein Name	Aldo-keto reductase family 1 member B10
UniProt Gene Name	AKR1B10
UniProt Synonym Gene Names	AKR1B11; ARP; hARP; SI reductase
UniProt Entry Name	AK1BA_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/akr1b10-human-elisa-kits/aldo-keto-reductase-family-1-member-b10/98787>