

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

Human Aldo keto reductase family 1 member B10 (AKR1B10) ELISA Kit

CATALOG #
AAA245578

REACTIVITY
Human

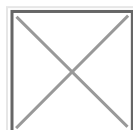
PRODUCT SYNONYMS

Aldo keto reductase family 1 member B10 (AKR1B10); Human Aldo keto reductase family 1 member B10 (AKR1B10) ELISA Kit; AKR1B10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of AKR1B10. No significant cross-reactivity or interference between AKR1B10 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between AKR1B10 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
Intended Uses	This AKR1B10 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human AKR1B10. 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 AKR1B10 elisa kit

Principle of the Assay: AKR1B10 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-AKR1B10 antibody and an AKR1B10-HRP conjugate. The assay sample and buffer are incubated together with AKR1B10-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 AKR1B10 concentration since AKR1B10 from samples and AKR1B10-HRP conjugate compete for the anti-AKR1B10 antibody binding site. Since the number of sites is limited, as more sites are occupied by AKR1B10 from the sample, fewer sites are left to bind AKR1B10-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AKR1B10 concentration in each sample is interpolated from this standard curve.

Intended Uses: This AKR1B10 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human AKR1B10. This ELISA kit for research use only, not for therapeutic or test applications!

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; ARP; hARP; SI reductase; aldose reductase-like 1; small intestine reductase; aldose reductase-like peptide; aldose reductase-related protein; aldo-keto reductase family 1, member B11 (aldose reductase-like)
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/human-elisa-kits/aldo-keto-reductase-family-1-member-b10-akr1b10/245578>