

Human Alcohol dehydrogenase [NADP+] (AKR1A1) ELISA Kit | AKR1A1 elisa kit

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CATALOG #
AAA246394

REACTIVITY
Human

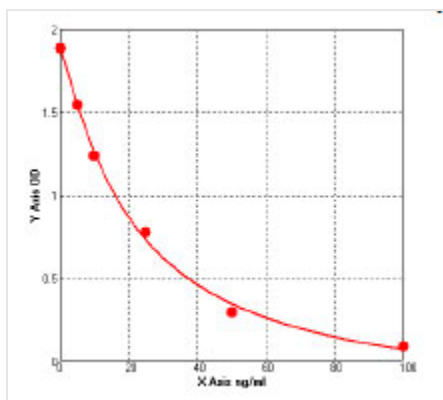
PRODUCT SYNONYMS

Alcohol dehydrogenase [NADP+] (AKR1A1); Human Alcohol dehydrogenase [NADP+] (AKR1A1) ELISA Kit; AKR1A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of AKR1A1. No significant cross-reactivity or interference between AKR1A1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between AKR1A1 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AKR1A1 elisa kit	Intended Uses: This AKR1A1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human AKR1A1. This ELISA kit for research use only! Principle of the Assay: AKR1A1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-AKR1A1 antibody and an AKR1A1-HRP conjugate. The assay sample and buffer are incubated together with AKR1A1-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 AKR1A1 concentration since AKR1A1 from samples and AKR1A1-HRP conjugate compete for the anti-AKR1A1 antibody binding site. Since the number of sites is limited, as more sites are occupied by AKR1A1 from the sample, fewer sites are left to bind AKR1A1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AKR1A1 concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	686640217
NCBI GeneID	20384556
NCBI Accession #	XP_009312554.1
NCBI GenBank Nucleotide #	XM_009314279.1
NCBI Official Full Name	alcohol dehydrogenase
NCBI Official Symbol	DQ04_05601010
NCBI Protein Information	alcohol dehydrogenase

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/alcohol-dehydrogenase-nadp-akr1a1/246394>