

Human Alcohol dehydrogenase 4 (ADH4) ELISA Kit | ADH4 elisa kit

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CATALOG #
AAA246558

REACTIVITY
Human

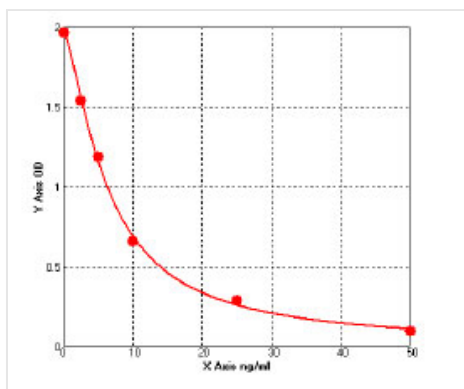
PRODUCT SYNONYMS

Alcohol dehydrogenase 4 (ADH4); Human Alcohol dehydrogenase 4 (ADH4) ELISA Kit; ADH4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ADH4. No significant cross-reactivity or interference between ADH4 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ADH4 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
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ADH4 elisa kit	Principle of the Assay: ADH4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ADH4 antibody and an ADH4-HRP conjugate. The assay sample and buffer are incubated together with ADH4-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 ADH4 concentration since ADH4 from samples and ADH4-HRP conjugate compete for the anti-ADH4 antibody binding site. Since the number of sites is limited, as more sites are occupied by ADH4 from the sample, fewer sites are left to bind ADH4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ADH4 concentration in each sample is interpolated from this standard curve. Intended Uses: This ADH4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ADH4. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	71565152
NCBI GeneID	127
NCBI Accession #	NP_000661.2
NCBI GenBank Nucleotide #	NM_000670.3
Molecular Weight	42,607 Da
NCBI Official Full Name	alcohol dehydrogenase 4
NCBI Official Synonym Full Names	alcohol dehydrogenase 4 (class II), pi polypeptide
NCBI Official Symbol	ADH4
NCBI Official Synonym Symbols	ADH-2; HEL-S-4
NCBI Protein Information	alcohol dehydrogenase 4; aldehyde reductase; epididymis secretory protein Li 4; alcohol dehydrogenase class II pi chain
UniProt Protein Name	Alcohol dehydrogenase 4
UniProt Gene Name	ADH4
UniProt Entry Name	ADH4_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/alcohol-dehydrogenase-4-adh4/246558>