

Human Alcohol Dehydrogenase 1 (ADH1) ELISA Kit | ADH1 elisa kit

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CATALOG #
AAA136874

REACTIVITY
Human

PRODUCT SYNONYMS

Alcohol Dehydrogenase 1 (ADH1); Human Alcohol Dehydrogenase 1 (ADH1) ELISA Kit; ADH1A; Alcohol Dehydrogenase 1A(Class I)Alpha Polypeptide; Alcohol dehydrogenase subunit alpha; ADH1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ADH1. No significant cross-reactivity or interference between ADH1 and analogues was observed.
Sequence Length	379
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.118ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ADH1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ADH1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

ADDITIONAL INFORMATION

Related Product Information for ADH1 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to ADH1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to ADH1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain ADH1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm $\pm$ 10nm. The concentration of ADH1 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ADH1 in human tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for ADH1 elisa kit	Enzyme & Kinase; Metabolic pathway; Hepatology

NCBI AND UNIPROT INFORMATION

NCBI GI #	15223838
NCBI GeneID	844047
NCBI Accession #	NP_177837.1
NCBI GenBank Nucleotide #	NM_106362.2
UniProt Accession #	P06525; O04080; O04713; O04717; O04868; O23821; Q8LA61; Q94AY6; Q9CAZ2; Q9CAZ3
Molecular Weight	41,178 Da
NCBI Official Full Name	alcohol dehydrogenase 1
NCBI Official Symbol	ADH1
NCBI Official Synonym Symbols	ADH; ADH1; ALCOHOL DEHYDROGENASE; alcohol dehydrogenase 1; ARABIDOPSIS THALIANA ALCOHOL DEHYDROGENASE; ATADH; ATADH1; F22K20.19; F22K20_19
NCBI Protein Information	alcohol dehydrogenase 1
UniProt Protein Name	Alcohol dehydrogenase class-P
UniProt Gene Name	ADH1
UniProt Synonym Gene Names	ADH
UniProt Entry Name	ADH1_ARATH

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://www.aaabiotech.com/human-elisa-kits/alcohol-dehydrogenase-1-adh1/136874>