

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

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CATALOG # AAA66199	REACTIVITY Rat
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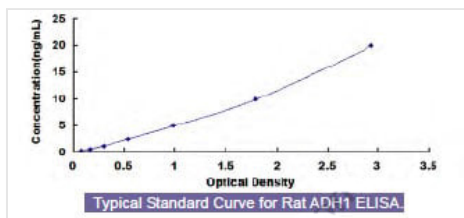
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
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	376
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	1.56-100ng/mL
Sensitivity	0.59ng/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	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ADH1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ADH1 in rat serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ADH1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation 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 +/- 10nm. The concentration of ADH1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	158081755
NCBI GeneID	24172
NCBI Accession #	NP_062159.3
NCBI GenBank Nucleotide #	NM_019286.4
UniProt Accession #	P06757
Molecular Weight	39,645 Da
NCBI Official Full Name	alcohol dehydrogenase 1
NCBI Official Synonym Full Names	alcohol dehydrogenase 1 (class I)
NCBI Official Symbol	Adh1
NCBI Official Synonym Symbols	Adh; Adh1a; Adh1c
NCBI Protein Information	alcohol dehydrogenase 1
UniProt Protein Name	Alcohol dehydrogenase 1
UniProt Gene Name	Adh1
UniProt Synonym Gene Names	Adh-1

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.