

Rat Alcohol Dehydrogenase ELISA Kit | ADH elisa kit

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CATALOG #
AAA85741

REACTIVITY
Rat

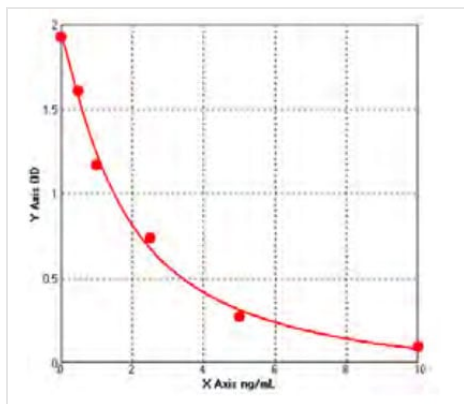
PRODUCT SYNONYMS

Alcohol Dehydrogenase; Rat Alcohol Dehydrogenase ELISA Kit; ADH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of ADH. No significant cross-reactivity or interference between ADH and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ADH 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 ADH elisa kit	Principle of the Assay: ADH ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ADH antibody and an ADH-HRP conjugate. The assay sample and buffer are incubated together with ADH-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 ADH concentration since ADH from samples and ADH-HRP conjugate compete for the anti-ADH antibody binding site. Since the number of sites is limited, as more sites are occupied by ADH from the sample, fewer sites are left to bind ADH-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ADH concentration in each sample is interpolated from this standard curve. Intended Uses: This ADH ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat ADH. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for ADH elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	599727
UniProt Accession #	P00334; Q27332; Q27579; Q27596; Q2MGK2; Q53XD5; Q95TC8; Q9NKC0; Q9VJS3; A4V0Q1
Molecular Weight	27,761 Da
NCBI Official Full Name	ADH
UniProt Protein Name	Alcohol dehydrogenase
UniProt Gene Name	Adh
UniProt Synonym Gene Names	CG3481
UniProt Entry Name	ADH_DROME

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/adh-rat-elisa-kits/alcohol-dehydrogenase/85741>