

Canine Alcohol Dehydrogenase ELISA Kit | ADH elisa kit

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CATALOG #
AAA88741

REACTIVITY
Canine

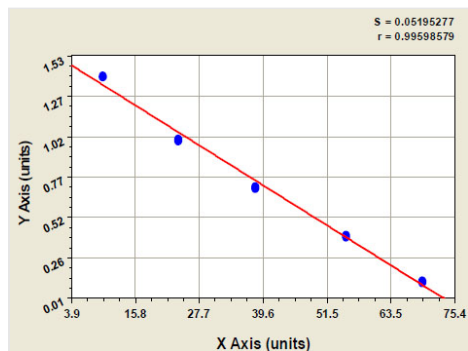
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This ADH1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine ADH1. This ELISA kit for research use only, not for therapeutic applications!
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: ADH1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ADH1 antibody and an ADH1-HRP conjugate. The assay sample and buffer are incubated together with ADH1-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 ADH1 concentration since ADH1 from samples and ADH1-HRP conjugate compete for the anti-ADH1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ADH1 from the sample, fewer sites are left to bind ADH1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ADH1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for ADH elisa kit	Neurobiology
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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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
 Online datasheet: <https://stage.aaabiotech.com/adh-canine-elisa-kits/alcohol-dehydrogenase/88741>