

## Canine Alcohol Dehydrogenase 1 ELISA Kit | ADH1 elisa kit

Canine Alcohol Dehydrogenase 1 ELISA Kit

CATALOG #  
**AAA90855**

REACTIVITY  
**Canine**

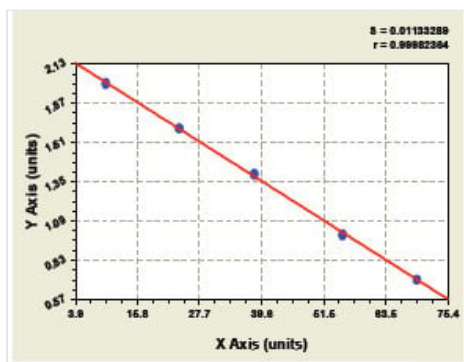
### PRODUCT SYNONYMS

Alcohol Dehydrogenase 1; Canine Alcohol Dehydrogenase 1 ELISA Kit; ADH1 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                                                                   |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                        |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| Related Product Information for ADH1 elisa kit | <p><b>For samples:</b> Serum, plasma, cell culture supernatants, body fluid and tissue homogenate</p> <p><b>INTENDED USE</b> 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!</p> <p><b>PRINCIPLE OF THE ASSAY</b> 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.</p> |
| Product Categories/Family for ADH1 elisa kit   | Neurobiology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

NCBI AND UNIPROT INFORMATION

|                               |                         |
|-------------------------------|-------------------------|
| NCBI GI #                     | 1374954                 |
| NCBI GeneID                   | 542363                  |
| Molecular Weight              | 40,981 Da               |
| NCBI Official Full Name       | Adh1, partial           |
| NCBI Official Symbol          | adh1                    |
| NCBI Official Synonym Symbols | Adh1-1F; Adh1-1S        |
| NCBI Protein Information      | alcohol dehydrogenase 1 |
| UniProt Protein Name          | Alcohol dehydrogenase 1 |
| UniProt Gene Name             | ADH1                    |
| UniProt Entry Name            | ADH1_MAIZE              |

**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/adh1-canine-elisa-kits/alcohol-dehydrogenase-1/90855>