

## Chicken Aldehyde Dehydrogenase 2 ELISA Kit | ALDH2 elisa kit

Chicken Aldehyde Dehydrogenase 2 ELISA Kit

CATALOG #  
**AAA94559**

REACTIVITY  
**Chicken**

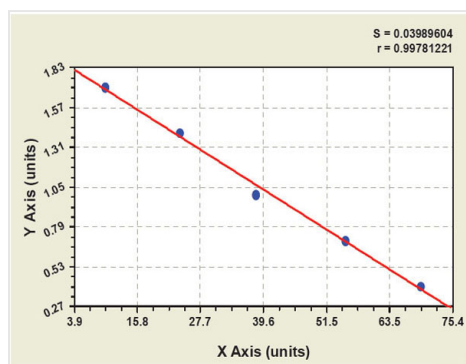
### PRODUCT SYNONYMS

Aldehyde Dehydrogenase 2; Chicken Aldehyde Dehydrogenase 2 ELISA Kit; ALDH2 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Chicken                                                                                                                                                                                    |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                                 |
| Assay Type              | Competitive                                                                                                                                                                                |
| Sensitivity             | 0.1 ng/mL.                                                                                                                                                                                 |
| Intended Uses           | This ALDH2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken ALDH2. 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 ALDH2 elisa kit

**Principle of the assay:** ALDH2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ALDH2 antibody and an ALDH2-HRP conjugate. The assay sample and buffer are incubated together with ALDH2-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 ALDH2 concentration since ALDH2 from samples and ALDH2-HRP conjugate compete for the anti-ALDH2 antibody binding site. Since the number of sites is limited, as more sites are occupied by ALDH2 from the sample, fewer sites are left to bind ALDH2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ALDH2 concentration in each sample is interpolated from this standard curve.

#### Product Categories/Family for ALDH2 elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

|                         |                |
|-------------------------|----------------|
| NCBI GI #               | 193882444      |
| Molecular Weight        | 26,576 Da      |
| NCBI Official Full Name | ALDH2, partial |
| UniProt Protein Name    | ALDH2          |
| UniProt Gene Name       | <b>ALDH2</b>   |
| UniProt Entry Name      | B4YAH7_HUMAN   |

**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/aldh2-chicken-elisa-kits/aldehyde-dehydrogenase-2/94559>