

## Canine Isocitrate dehydrogenase ELISA Kit | ICD elisa kit

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CATALOG #  
**AAA93583**

REACTIVITY  
**Canine**

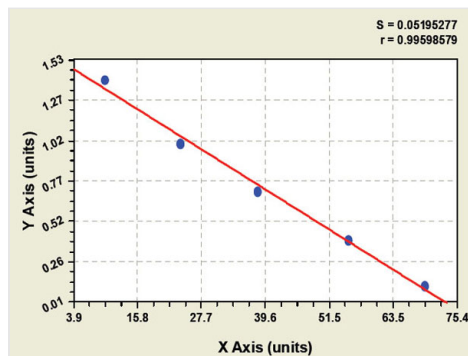
### PRODUCT SYNONYMS

Isocitrate dehydrogenase; Canine Isocitrate dehydrogenase ELISA Kit; ICD elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Canine                                                                     |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate |
| Assay Type              | Competitive                                                                |
| Detection Range         | 10-250ng/mL                                                                |
| Sensitivity             | 1.0ng/mL                                                                   |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for ICD elisa kit

**Intended Uses:** This ICD ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine ICD. This ELISA kit for research use only!

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

NCBI AND UNIPROT INFORMATION

|                         |             |
|-------------------------|-------------|
| NCBI GI #               | 33338804    |
| Molecular Weight        | 8,398 Da    |
| NCBI Official Full Name | Icd         |
| UniProt Protein Name    | Icd         |
| UniProt Gene Name       | icd         |
| UniProt Entry Name      | Q38557_BPP1 |

**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](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/icd-canine-elisa-kits/isocitrate-dehydrogenase/93583>