

## Porcine Interleukin 1beta converting enzyme ELISA Kit | ICE elisa kit

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CATALOG #  
**AAA91868**

REACTIVITY  
**Porcine**

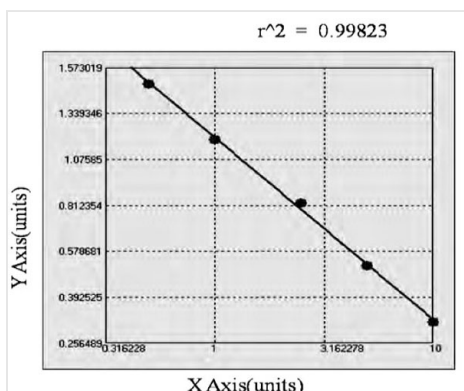
### PRODUCT SYNONYMS

Interleukin 1beta converting enzyme; Porcine Interleukin 1beta converting enzyme ELISA Kit; Porcine Interleukin 1b converting enzyme ELISA Kit; ICE elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Porcine                                                                                                                                                                                                    |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                                                 |
| Assay Type              | Competitive                                                                                                                                                                                                |
| Sensitivity             | 0.1 ng/mL.                                                                                                                                                                                                 |
| Intended Uses           | This Caspase-1/ICE ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine Caspase-1/ICE. 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 ICE elisa kit

**Principle of the assay:** Caspase-1/ICE ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-Caspase-1/ICE antibody and an Caspase-1/ICE-HRP conjugate. The assay sample and buffer are incubated together with Caspase-1/ICE-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 Caspase-1/ICE concentration since Caspase-1/ICE from samples and Caspase-1/ICE-HRP conjugate compete for the anti-Caspase-1/ICE antibody binding site. Since the number of sites is limited, as more sites are occupied by Caspase-1/ICE from the sample, fewer sites are left to bind Caspase-1/ICE-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Caspase-1/ICE concentration in each sample is interpolated from this standard curve.

|                                             |            |
|---------------------------------------------|------------|
| Product Categories/Family for ICE elisa kit | Immunology |
|---------------------------------------------|------------|

### NCBI AND UNIPROT INFORMATION

|                            |                                                                                                                                                                                                                          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                  | 126352357                                                                                                                                                                                                                |
| NCBI GeneID                | 100033888                                                                                                                                                                                                                |
| NCBI Accession #           | NP_001075311.1                                                                                                                                                                                                           |
| NCBI GenBank Nucleotide #  | NM_001081842.1                                                                                                                                                                                                           |
| Molecular Weight           | 45,331 Da                                                                                                                                                                                                                |
| NCBI Official Full Name    | caspase-1                                                                                                                                                                                                                |
| NCBI Official Symbol       | CASP1                                                                                                                                                                                                                    |
| NCBI Protein Information   | caspase-1; ICE; p45; CASP-1; IL-1BC; IL-1 beta-converting enzyme; interleukin-1 beta convertase; interleukin-1 beta-converting enzyme; caspase 1, apoptosis-related cysteine peptidase (interleukin 1, beta, convertase) |
| UniProt Protein Name       | Caspase-1                                                                                                                                                                                                                |
| UniProt Gene Name          | <b>CASP1</b>                                                                                                                                                                                                             |
| UniProt Synonym Gene Names | IL1BC; CASP-1; IL-1BC; ICE; IL-1 beta-converting enzyme                                                                                                                                                                  |
| UniProt Entry Name         | CASP1_HORSE                                                                                                                                                                                                              |

**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/ice-porcine-elisa-kits/interleukin-1beta-converting-enzyme/91868>