

## Porcine Interleukin 1beta Precursor ELISA Kit | Pro-IL-1beta elisa kit

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CATALOG #  
**AAA95565**

REACTIVITY  
**Porcine**

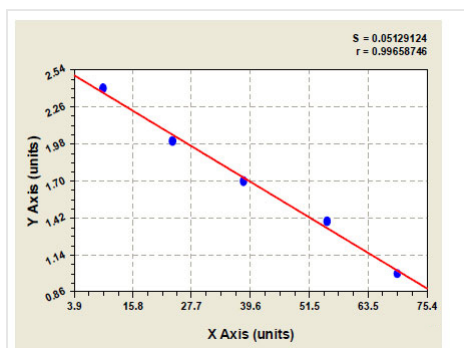
### PRODUCT SYNONYMS

Interleukin 1beta Precursor; Porcine Interleukin 1beta Precursor ELISA Kit; Porcine Interleukin 1b Precursor ELISA Kit; Pro-IL-1beta elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Porcine                                                                    |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate |
| Assay Type              | Competitive                                                                |
| Sensitivity             | 1.0 pg/mL.                                                                 |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for Pro-IL-1beta elisa kit

**Intended Uses:** This Pre-IL-1beta ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine Pre-IL-1beta. This ELISA kit for research use only!

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

#### Product Categories/Family for Pro-IL-1beta elisa kit

Immunology

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                         |
|----------------------------------|-----------------------------------------------------------------------------------------|
| NCBI GI #                        | 197692689                                                                               |
| NCBI GeneID                      | 3553                                                                                    |
| Molecular Weight                 | 30,748 Da                                                                               |
| NCBI Official Full Name          | interleukin-1 beta, partial                                                             |
| NCBI Official Synonym Full Names | interleukin 1, beta                                                                     |
| NCBI Official Symbol             | IL1B                                                                                    |
| NCBI Official Synonym Symbols    | IL-1; IL1F2; IL1-BETA                                                                   |
| NCBI Protein Information         | interleukin-1 beta; IL-1 beta; catabolin; preinterleukin 1 beta; pro-interleukin-1-beta |
| UniProt Protein Name             | Interleukin-1 beta                                                                      |
| UniProt Gene Name                | IL1B                                                                                    |
| UniProt Synonym Gene Names       | IL1F2; IL-1 beta                                                                        |
| UniProt Entry Name               | IL1B_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/pro-il-1beta-porcine-elisa-kits/interleukin-1beta-precursor/95565>