

## Chicken Interleukin 1 Beta (IL1b) ELISA Kit | IL1b elisa kit

Chicken Interleukin 1 Beta (IL1b) ELISA Kit

CATALOG #  
**AAA20769**

REACTIVITY  
**Chicken**

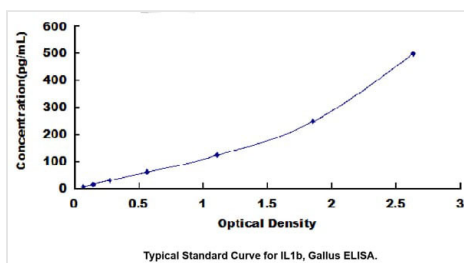
### PRODUCT SYNONYMS

Interleukin 1 Beta (IL1b); Chicken Interleukin 1 Beta (IL1b) ELISA Kit; IL1-B; IL1-Beta; IL1F2; IL-1beta; Interleukin-1 Family Member 2; Catabolin; IL-1b; IL1b elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Chicken                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of IL1b. No significant cross-reactivity or interference between IL1b and analogues was observed.                                                                                                                                                                                                                                                                                                                  |
| Sequence Length         | 283                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Assay Type              | Quantitative Sandwich                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Samples                 | Gallus serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids                                                                                                                                                                                                                                                                                                                                                                                |
| Detection Range         | 7.8-500pg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Sensitivity             | < 3.2pg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level IL1b were tested 20 times on one plate, respectively. Intra-Assay: CV<10%                                                                                                                                                                                                                                                                                                                     |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level IL1b were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%                                                                                                                                                                                                                                                                                   |
| Preparation and Storage | The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.<br>To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end. |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for IL1b elisa kit | <p>Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to IL1b. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to IL1b. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain IL1b, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of IL1b in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> <p>Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of IL1b in gallus serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.</p> |
| Product Categories/Family for IL1b elisa kit   | Cytokine; Tumor immunity; Infection immunity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| References                                     | <p><a href="#">Hypocholesterolemic, Antioxidative, and Anti-Inflammatory Effects of Dietary Spirulina platensis Supplementation on Laying Hens Exposed to Cyclic Heat Stress; Animals (Basel); 2022 Oct 14;12(20):2759.; PMID: 36290147; Morshed I M Al-Otaibi; Department of Animal and Fish Production, College of Agricultural and Food Sciences, King Faisal University, P.O. Box 420, Al-Ahsa 31982, Saudi Arabia.</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

NCBI AND UNIPROT INFORMATION

|                                  |                      |
|----------------------------------|----------------------|
| NCBI GI #                        | 148226412            |
| NCBI GeneID                      | 373606               |
| NCBI Accession #                 | NP_001079074.1       |
| NCBI GenBank Nucleotide #        | NM_001085605.1       |
| NCBI Official Full Name          | interleukin 1, beta  |
| NCBI Official Synonym Full Names | interleukin 1, beta< |
| NCBI Official Symbol             | il1b                 |
| NCBI Official Synonym Symbols    | IL-1; IL-1B; il1b-A  |
| NCBI Protein Information         | interleukin 1, beta  |

**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/chicken-elisa-kits/interleukin-1-beta-il1b/20769>