

## Human Interleukin 1 Alpha ELISA Kit | IL-1alpha elisa kit

Human Interleukin 1 Alpha ELISA Kit

CATALOG #  
AAA102206

REACTIVITY  
Human

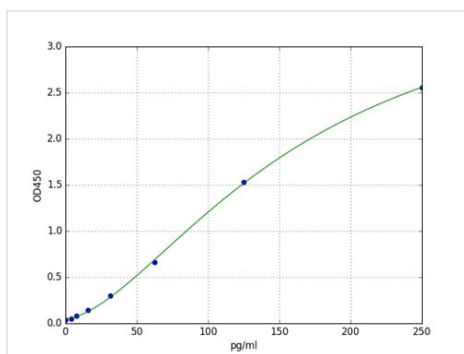
### PRODUCT SYNONYMS

Interleukin 1 Alpha; Human Interleukin 1 Alpha ELISA Kit; IL-1alpha/IL-1alpha/IL1A/IL1-A/IL1/IL1F1/Preinterleukin 1 Alpha/Hematopoietin-1/Pro-Interleukin-1-Alpha; IL-1alpha elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                        |
| Sequence Length         | 268                                                                                                                                                          |
| Assay Type              | Sandwich ELISA, Double Antibody                                                                                                                              |
| Samples                 | Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples                                                                         |
| Detection Range         | 3.906-250pg/ml                                                                                                                                               |
| Sensitivity             | 2.344pg/ml                                                                                                                                                   |
| Preparation and Storage | Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C |

### IMAGES



Standard Curve (Sample)

**Typical Data & Standard Curve**  
Results of a typical standard run of a Human IL-1α ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A-not applicable)

| X | pg/ml | 0     | 3.9   | 7.8   | 15.6  | 31.3  | 62.5  | 125   | 250   |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Y | OD450 | 0.037 | 0.052 | 0.083 | 0.139 | 0.305 | 0.679 | 1.330 | 2.692 |

Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for IL-1alpha elisa kit

**Principle of the Assay**||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human IL-1alpha antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human IL-1alpha antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human IL-1alpha amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human IL-1alpha can be calculated.

NCBI AND UNIPROT INFORMATION

|                               |                      |
|-------------------------------|----------------------|
| NCBI GI #                     | 595763446            |
| NCBI GeneID                   | 102413678            |
| NCBI Accession #              | NP_001277833.1       |
| NCBI GenBank Nucleotide #     | NM_001290904.1       |
| NCBI Official Full Name       | interleukin 1, alpha |
| NCBI Official Symbol          | IL1A                 |
| NCBI Official Synonym Symbols | IL-1a                |
| NCBI Protein Information      | interleukin 1, alpha |

**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/il-1alpha-human-elisa-kits/interleukin-1-alpha/102206>