

ARG83352 Human IL1 alpha ELISA Kit

Package: 96 wells
Store at: 4°C; -20°C

Component

| Cat. No. | Component Name | Package | Temp |
|-------------|-------------------------------------|-------------------|--------------------------|
| ARG83352-01 | Antibody Coated Microplate | 8 X 12 strips | 4°C |
| ARG83352-02 | Standard (Lyophilized) | 3 vials | 4°C |
| ARG83352-03 | 100X Antibody Conjugate Concentrate | 120 µl | ≤ -20°C |
| ARG83352-04 | 100X HRP-Streptavidin solution | 120 µl | 4°C |
| ARG83352-05 | Standard / Sample Diluent Buffer | 20 ml | 4°C |
| ARG83352-06 | Antibody Diluent Buffer | 35 ml | 4°C |
| ARG83352-07 | 20X Wash Buffer | 45 ml | 4°C |
| ARG83352-08 | TMB substrate | 12 ml | 4°C (protect from light) |
| ARG83352-09 | STOP solution | 12 ml | 4°C |
| ARG83352-10 | Plate sealer | 3 adhesive strips | Room temperature |

Summary

| | |
|---------------------|---|
| Product Description | ARG83352 Human IL1 alpha ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human IL1 alpha in Serum, Plasma and Cell culture supernatants. |
| Tested Reactivity | Hu |
| Tested Application | ELISA |
| Specificity | No significant cross-reactivity or interference with Human IL-1ra, IL-1 beta, IL-1 RI, IL-1 RII, mouse IL-1 alpha, porcine IL-1 alpha, rat IL-1 alpha |
| Target Name | IL1 alpha |
| Conjugation | HRP |
| Conjugation Note | Substrate: TMB and read at 450 nm |
| Sensitivity | 7.8 pg/ml |
| Sample Type | Serum, Plasma, Cell culture supernatants |
| Standard Range | 15.6 - 1000 pg/ml |
| Sample Volume | 50 µl |
| Precision | CV: less than 10% |

Alternate Names

IL-1 alpha; Interleukin-1 alpha; IL1; IL1F1; Hematopoietin-1; IL1-ALPHA; IL-1A

Application Instructions

Assay Time 4.5 hours

Properties

Form 96 well

Storage instruction Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol IL1A

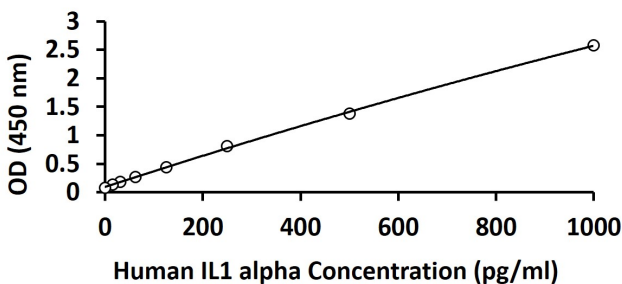
Gene Full Name interleukin 1, alpha

Background The protein encoded by this gene is a member of the interleukin 1 cytokine family. This cytokine is a pleiotropic cytokine involved in various immune responses, inflammatory processes, and hematopoiesis. This cytokine is produced by monocytes and macrophages as a proprotein, which is proteolytically processed and released in response to cell injury, and thus induces apoptosis. This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. It has been suggested that the polymorphism of these genes is associated with rheumatoid arthritis and Alzheimer's disease. [provided by RefSeq]

Highlight Related products: [IL1 alpha antibodies](#); [IL1 alpha ELISA Kits](#); [IL1 alpha recombinant proteins](#);
Related news: [HMGB1 in inflammation](#)
[Inflammatory Cytokines](#)
New ELISA data calculation tool: [Simplify the ELISA analysis by GainData](#)

Research Area Immune System kit; Metabolism kit

Images



ARG83352 Human IL1 alpha ELISA Kit standard curve image

ARG83352 Human IL1 alpha ELISA Kit results of a typical standard run with optical density reading at 450 nm.