

## 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	1000X HRP-Streptavidin solution	15 µl	4°C
ARG83352-05	Standard / Sample Diluent Buffer	20 ml	4°C
ARG83352-06	Antibody Diluent Buffer	35 ml	4°C
ARG83352-07	10X Wash Buffer	50 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

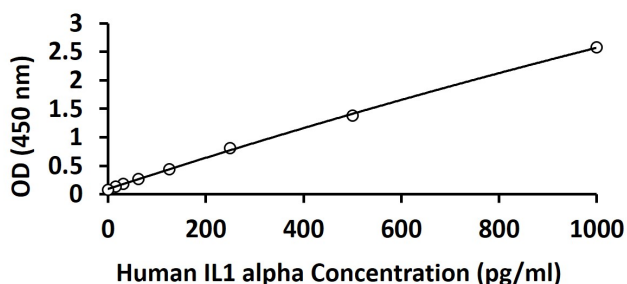
Gene Full Name interleukin 1, alpha

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]

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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.