

## ARG83572

## arigoQIK® Human IL1 alpha ELISA Development Kit

Package: 1 kit(5 plates), 1 kit  
(15 plates)  
Store at: 4°C, -20°C

## Summary

## Product Description

ARG83572 arigoQIK® Human IL1 alpha ELISA Development Kit, includes Capture antibody, Detection antibody, Standard, and HRP-Streptavidin Solution.  
This ELISA Development Kit is designed for the development of sandwich ELISA to measure Human IL1 alpha in Serum, plasma and cell culture supernatants.

For other reagents required for [arigoQIK® ELISA Development Kit](#), please refer [ARG83524 Integral Reagent Kit \(ELISA Development Kit\)](#)

More about arigoQIK®:

- Optimized capture and detection antibody pairs
- Reduced incubation time and wash cycles
- 2-hour quicker than conventional ELISA process
- 5- and 15-plate packages available

## Tested Reactivity

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## Tested Application

ELISA

## Target Name

IL1 alpha

## Conjugation

HRP

## Conjugation Note

Substrate: TMB and read at 450 nm.

## Sensitivity

7.8 pg/ml

## Sample Type

Serum, plasma and cell culture supernatants.

## Standard Range

15.6 - 1000 pg/ml

## Sample Volume

50 µl

## Alternate Names

IL1A; Interleukin 1 Alpha; IL1F1 ; Hematopoietin-1; IL1-ALPHA; IL-1A; Pro-Interleukin-1-Alpha;  
Preinterleukin 1 Alpha; Interleukin-1 Alpha; IL-1 Alpha; IL1

## Properties

## Form

96 well

## Storage instruction

Store components at 4°C or -20°C. 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

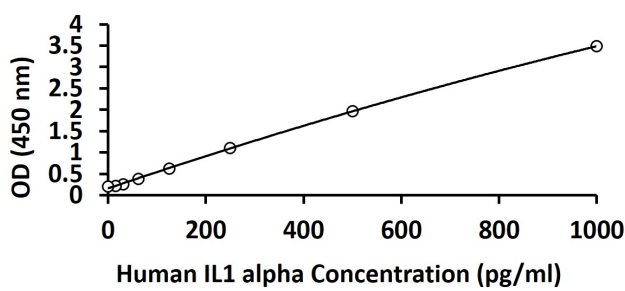
## Background

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, Jul 2008]

Function	In addition to its role as a danger signal, which occurs when the cytokine is passively released by cell necrosis, directly senses DNA damage and acts as a signal for genotoxic stress without loss of cell integrity. [UniProt]
PTM	Acetylation, Glycoprotein, Lipoprotein, Myristate, Phosphoprotein. [UniProt]
Cellular Localization	Cytoplasm, Nucleus, Secreted. [UniProt]

Images



ARG83572 arigoQIK Human IL1 alpha ELISA Development Kit standard curve image

ARG83572 arigoQIK Human IL1 alpha ELISA Development Kit results of a typical standard run with optical density reading at 450 nm.