

## ARG80237 Rat IL1 alpha ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG80237-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG80237-002	Standard (Lyophilized)	3 X 1 ng/vial	4°C
ARG80237-003	Standard diluent buffer	20 ml	4°C
ARG80237-004	Antibody conjugate concentrate	400 µl	4°C
ARG80237-005	Antibody diluent buffer	16 ml	4°C
ARG80237-006	HRP-Streptavidin concentrate	400 µl	4°C (Protect from light)
ARG80237-007	HRP-Streptavidin diluent buffer	16 ml	4°C
ARG80237-008	20X Wash buffer	50 ml	4°C
ARG80237-009	TMB substrate	12ml	4°C (Protect from light)
ARG80237-010	STOP solution	12ml	4°C
ARG80237-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG80237 Rat IL1 alpha ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat IL1 alpha in Serum, Plasma, Cell culture supernatants.
Tested Reactivity	Rat
Tested Application	ELISA
Specificity	No significant cross-reactivity or interference with Human IL-1 alpha, IL-18, IL-1 beta, mouse IL-1 alpha, IL-18, IL-1 beta, rat IL-18, IL-1 beta, porcine IL-1 alpha, IL-1 beta
Target Name	IL1 alpha
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	4 pg/ml
Sample Type	Serum, Plasma, Cell culture supernatants
Standard Range	7.8 - 500 pg/ml

Sample Volume	100 µl
Precision	CV: less than 10%
Alternate Names	IL-1 alpha; Interleukin-1 alpha; IL1; IL1F1; Hematopoietin-1; IL1-ALPHA; IL-1A

## Application Instructions

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Assay Time	4 hours
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## Properties

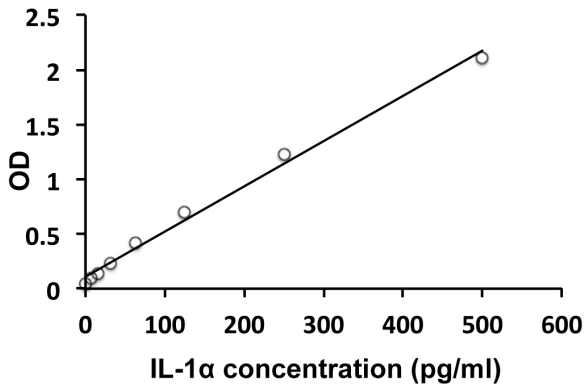
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Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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Database links	<a href="#">GeneID: 24493 Rat</a> <a href="#">Swiss-port # P16598 Rat</a>
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: <a href="#">IL1 alpha antibodies</a> ; <a href="#">IL1 alpha ELISA Kits</a> ; <a href="#">IL1 alpha recombinant proteins</a> ; Related news: <a href="#">HMGB1 in inflammation</a> <a href="#">Inflammatory Cytokines</a> New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>
Research Area	Immune System kit; Metabolism kit



ARG80237 Rat IL1 alpha ELISA Kit standard curve image

ARG80237 Rat IL1 alpha ELISA Kit results of a typical standard run with optical density reading at 450 nm.