

ARG83467 Swine IL1 alpha ELISA Kit

Package: 96 wells

Store at: 4°C

Summary

Product Description	ARG83467 Swine IL1 alpha ELISA Kit is an Enzyme Immunoassay kit for the quantification of Swine IL1 alpha in Serum, plasma and cell culture supernatants.
Tested Reactivity	Pig
Tested Application	ELISA
Target Name	IL1 alpha
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	50 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	93.6 - 6000 pg/ml
Sample Volume	100 µl
Alternate Names	IL-1 alpha; Interleukin-1 alpha; IL1; IL1F1; Hematopoietin-1; IL1-ALPHA; IL-1A

Application Instructions

Assay Time	3.5 hours
------------	-----------

Properties

Form	96 well
Storage instruction	Store the kit at 4°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, Jul 2008]
Function	Produced by activated macrophages, IL-1 stimulates thymocyte proliferation by inducing IL-2 release, B-cell maturation and proliferation, and fibroblast growth factor activity. IL-1 proteins are involved in the

inflammatory response, being identified as endogenous pyrogens, and are reported to stimulate the release of prostaglandin and collagenase from synovial cells. [UniProt]

Highlight

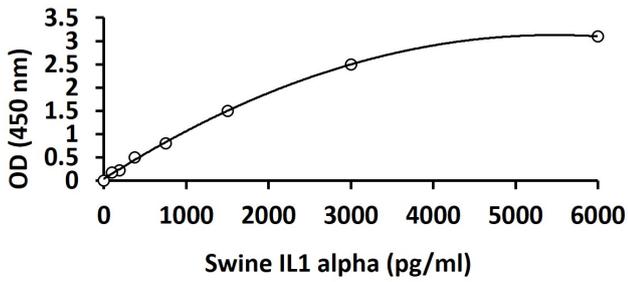
Related products:

[IL1 alpha antibodies](#); [IL1 alpha ELISA Kits](#); [IL1 alpha recombinant proteins](#);

Related news:

[Inflammatory Cytokines](#)

Images



ARG83467 Swine IL1 alpha ELISA Kit standard curve image

ARG83467 Swine IL1 alpha ELISA Kit results of a typical standard run with optical density reading at 450 nm.