

ARG83023 Porcine IL2 ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG83023 Porcine IL2 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Porcine IL2 in serum, plasma (heparin), ascites, urine and cell culture supernatants.
Tested Reactivity	Pig
Tested Application	ELISA
Specificity	Not cross-reacts with: Porcine IL-4, IL-6. Mouse IL2. Rat IL2. Bovine IL2. Feline IL2. canine IL2.
Target Name	IL2
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	7.8 pg/ml
Sample Type	Serum, plasma (heparin), ascites, urine and cell culture supernatants.
Standard Range	15.6-1000 pg/ml
Sample Volume	100 µl
Alternate Names	IL2, Interleukin 2, IL 2, TCGF, T Cell Growth Factor, Interleukin 2, Aldesleukin, Involved In Regulation Of T Cell Clonal Expansion, T Cell Growth Factor, Lymphokine

Application Instructions

Assay Time ~ 4 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.

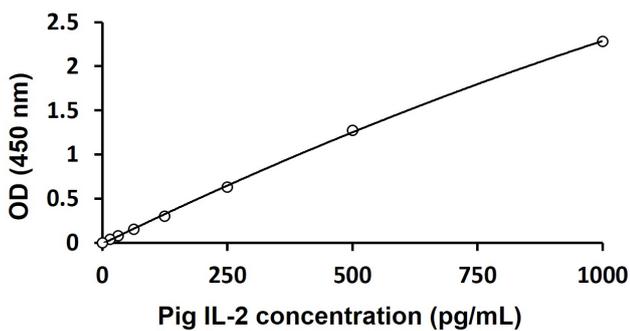
Bioinformation

Gene Symbol	IL2
Gene Full Name	Interleukin 2
Background	This gene is a member of the interleukin 2 (IL2) cytokine subfamily which includes IL4, IL7, IL9, IL15,

IL21, erythropoietin, and thrombopoietin. The protein encoded by this gene is a secreted cytokine produced by activated CD4+ and CD8+ T lymphocytes, that is important for the proliferation of T and B lymphocytes. The receptor of this cytokine (IL2R) is a heterotrimeric protein complex whose gamma chain is also shared by IL4 and IL7. The expression of this gene in mature thymocytes is monoallelic, which represents an unusual regulatory mode for controlling the precise expression of a single gene. The targeted disruption of a similar gene in mice leads to ulcerative colitis-like disease, which suggests an essential role of this gene in the immune response to antigenic stimuli. [provided by RefSeq, Sep 2020]

Function	Plays a pivotal role in regulating the adaptive immune system by controlling the survival and proliferation of regulatory T-cells, which are required for the maintenance of immune tolerance. Moreover, participates in the differentiation and homeostasis of effector T-cell subsets, including Th1, Th2, Th17 as well as memory CD8-positive T-cells. [UniProt]
Highlight	Related products: IL2 antibodies ; IL2 ELISA Kits ; IL2 Duos / Panels ; IL2 recombinant proteins ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Disulfide bond, Glycoprotein. [UniProt]
Cellular Localization	Secreted. [UniProt]

Images



ARG83023 Porcine IL2 ELISA Kit standard curve image

ARG83023 Porcine IL2 ELISA Kit results of standard run with optical density reading at 450 nm