

## ARG83628 Mouse IL2 ELISA Kit

Package: 96 wells  
Store at: 4°C, -20°C

### Summary

Product Description	ARG83628 Mouse IL2 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse IL2 in serum, plasma and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Target Name	IL2
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	7.8125 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	15.625 - 1000 pg/ml
Sample Volume	50 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 4°C, -20°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.

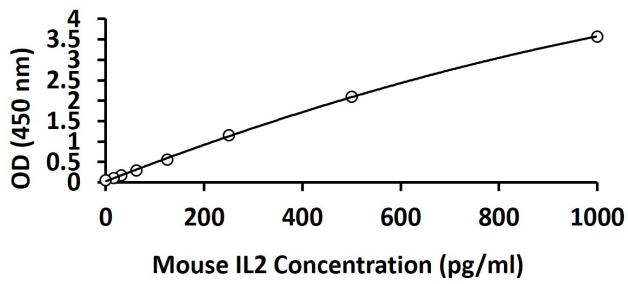
### Bioinformation

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]
PTM	Disulfide bond, Glycoprotein. [UniProt]
Cellular Localization	Secreted. [UniProt]

## Images

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ARG83628 Mouse IL2 ELISA Kit standard curve image

ARG83628 Mouse IL2 ELISA Kit results of a typical standard run with optical density reading at 450 nm.

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