

ARG83574

arigoQIK® Human IL2 ELISA Development Kit

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

Summary

Product Description

ARG83574arigoQIK® Human IL2 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 IL2 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

IL2

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

IL2; Interleukin 2; IL-2; TCGF 2; T Cell Growth Factor; Interleukin-2; Aldesleukin; Involved In Regulation Of T-Cell Clonal Expansion; T-Cell Growth Factor ; Lymphokine

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

IL2

Gene Full Name

Interleukin 2

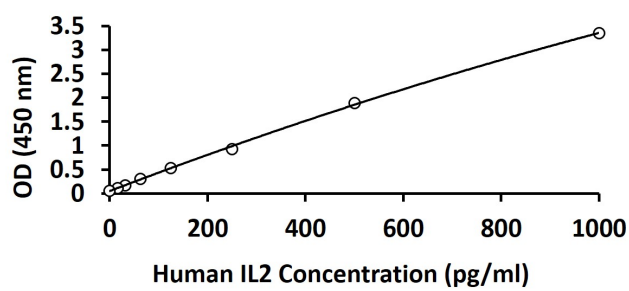
Background

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]

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| 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



ARG83574 arigoQIK Human IL2 ELISA Development Kit standard curve image

ARG83574 arigoQIK Human IL2 ELISA Development Kit results of a typical standard run with optical density reading at 450 nm.