

## Product datasheet

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ARG83574 Package: 1 kit(5 plates), 1 kit

(15 plates)

Store at: 4°C, -20°C

# arigoQIKTM Human IL2 ELISA Development Kit

### **Summary**

**Product Description** ARG83574 arigoQIK<sup>TM</sup> 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 <u>arigoQIK<sup>TM</sup> ELISA Development Kit</u>, please refer <u>ARG83524 Integral</u>

Reagent Kit (ELISA Development Kit)

## More about arigoQIK TM:

• 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 Hu

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  $50 \mu l$ 

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

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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

Function Plays a pivotal role in regulating the adaptive immune system by controlling the survival and

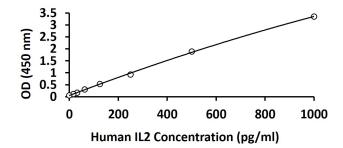
proliferation of regulatory T-cells, which are required for the maintenance of immune tolerance. Moreover, participates in the differentiation and homeostasis of effector T-cell subsets, including Th1,

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.