

## ARG83529

### arigoQIK™ Human IL15 ELISA Development Kit

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

#### Summary

##### Product Description

ARG83529 arigoQIK™ Human IL15 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 IL15 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

IL15

##### Conjugation

HRP

##### Conjugation Note

Substrate: TMB and read at 450 nm.

##### Sensitivity

3.91 pg/ml

##### Sample Type

Serum, plasma and cell culture supernatants.

##### Standard Range

7.81 - 500pg/ml

##### Sample Volume

50 µl

##### Alternate Names

IL15; Interleukin 15; IL-15; Interleukin-15; MGC9721

#### Properties

##### 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

IL15

##### Gene Full Name

Interleukin 15

##### Background

The protein encoded by this gene is a cytokine that regulates T and natural killer cell activation and proliferation. This cytokine and interleukine 2 share many biological activities. They are found to bind common hematopoietin receptor subunits, and may compete for the same receptor, and thus negatively regulate each other's activity. The number of CD8+ memory cells is shown to be controlled by a balance between this cytokine and IL2. This cytokine induces the activation of JAK kinases, as well as the phosphorylation and activation of transcription activators STAT3, STAT5, and STAT6. Studies of the mouse counterpart suggested that this cytokine may increase the expression of apoptosis inhibitor

BCL2L1/BCL-x(L), possibly through the transcription activation activity of STAT6, and thus prevent apoptosis. Alternatively spliced transcript variants of this gene have been reported. [provided by RefSeq, Feb 2011]

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|-----------------------|--|
| Function              | In mast cells, induces the rapid tyrosine phosphorylation of STAT6 and thereby controls mast cell survival and release of cytokines such as IL4. [UniProt] |
| Highlight             | Related news:<br><a href="#">arigoQIK, DIY your sandwich ELISA kits</a> :  |
| PTM                   | Disulfide bond, Glycoprotein. [UniProt]  |
| Cellular Localization | Cytoplasm, Nucleus, Secreted. [UniProt]  |