

## ARG83733

### arigoQIK® Rat IL10 ELISA Development Kit

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

#### Summary

##### Product Description

ARG83733 arigoQIK® Rat IL10 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 Rat IL10 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

Rat

##### Tested Application

ELISA

##### Target Name

IL10

##### Conjugation

HRP

##### Conjugation Note

Substrate: TMB and read at 450 nm.

##### Sensitivity

15.63 pg/mL

##### Sample Type

Serum, plasma and cell culture supernatants.

##### Standard Range

31.25-2000 pg/mL

##### Sample Volume

50 µL

##### Alternate Names

IL10; Interleukin 10; IL-10; CSIF; Cytokine Synthesis Inhibitory Factor; IL10A; TGIF; T-Cell Growth Inhibitory Factor; Interleukin-10; GVHDS

#### 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

IL10

##### Gene Full Name

Interleukin 10

##### Background

The protein encoded by this gene is a cytokine produced primarily by monocytes and to a lesser extent by lymphocytes. This cytokine has pleiotropic effects in immunoregulation and inflammation. It down-regulates the expression of Th1 cytokines, MHC class II Ags, and costimulatory molecules on macrophages. It also enhances B cell survival, proliferation, and antibody production. This cytokine can block NF-kappa B activity, and is involved in the regulation of the JAK-STAT signaling pathway. Knockout studies in mice suggested the function of this cytokine as an essential immunoregulator in the intestinal

tract. Mutations in this gene are associated with an increased susceptibility to HIV-1 infection and rheumatoid arthritis. [provided by RefSeq, May 2020]

#### Function

In addition, controls the inflammatory response of macrophages by reprogramming essential metabolic pathways including mTOR signaling. [Uniprot]