

ARG83532

arigoQIK™ Human IL18 ELISA Development Kit

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

Summary

Product Description

ARG83532 arigoQIK™ Human IL18 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 IL18 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

Hu

Tested Application

ELISA

Target Name

IL18

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 - 2000pg/ml

Sample Volume

50 µl

Alternate Names

IL18; Interleukin 18; IL1F4; IL-18; IGIF; IL-1g; Interleukin 18 (Interferon-Gamma-Inducing Factor); IFN-Gamma-Inducing Factor; Interleukin-1 Gamma; Interleukin-18; Iboctadecin; IL-1 Gamma; Interferon-Gamma-Inducing Factor; Interferon Gamma-Inducing Factor

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

IL18

Gene Full Name

Interleukin 18

Background

The protein encoded by this gene is a proinflammatory cytokine of the IL-1 family that is constitutively found as a precursor within the cytoplasm of a variety of cells including macrophages and keratinocytes. The inactive IL-18 precursor is processed to its active form by caspase-1, and is capable of stimulating interferon gamma production, and of regulating both T helper (Th) 1 and Th2 responses. This cytokine has been implicated in the injury of different organs, and in potentially fatal conditions

characterized by a cytokine storm. In humans, IL-18 gene is located on chromosome 11. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Aug 2020]

Function

Involved in transduction of inflammation downstream of pyroptosis: its mature form is specifically released in the extracellular milieu by passing through the gasdermin-D (GSDMD) pore. [UniProt]

Highlight

Related news:
[arigoQIK, DIY your sandwich ELISA kits;](#)

Cellular Localization

Cytoplasm, Secreted. [UniProt]