

ARG83533

arigoQIK™ Human IFN alpha ELISA Development Kit

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

Summary

Product Description

ARG83533 arigoQIK™ Human IFN alpha 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 IFN alpha 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

IFN alpha

Conjugation

HRP

Conjugation Note

Substrate: TMB and read at 450 nm.

Sensitivity

0.78 pg/ml

Sample Type

Serum, plasma and cell culture supernatants.

Standard Range

1.56 - 100pg/ml

Sample Volume

50 µl

Alternate Names

IFNA1; Interferon Alpha 1; IFN-AlphaD; IFN-ALPHA; IFNA13; IFNA@; IFL; IFN; Interferon Alpha-1/13; Interferon Alpha 1b; Interferon Alpha-D; IFN-Alpha-1/13; LeIF D; Interferon-Alpha1; IFN-Alpha 1b

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

IFNA1

Gene Full Name

Interferon Alpha 1

Background

This gene is a member of the alpha interferon gene cluster on chromosome 9. The encoded cytokine is a member of the type I interferon family that is produced in response to viral infection as a key part of the innate immune response with potent antiviral, antiproliferative and immunomodulatory properties. This cytokine, like other type I interferons, binds a plasma membrane receptor made of IFNAR1 and IFNAR2 that is ubiquitously expressed, and thus is able to act on virtually all body cells. This cytokine is upregulated in preeclamptic placentas and is thought to be a mediator of preeclampsia. [provided by

RefSeq, Aug 2020]

Function	Produced by macrophages, IFN-alpha have antiviral activities. Interferon stimulates the production of two enzymes: a protein kinase and an oligoadenylate synthetase. [UniProt]
Highlight	Related news: arigoQIK, DIY your sandwich ELISA kits;
PTM	Disulfide bond. [UniProt]
Cellular Localization	Secreted. [UniProt]