

ARG83579

## arigoQIK® Human IL12 p70 ELISA Development Kit

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

### Summary

#### Product Description

ARG83579 arigoQIK® Human IL12 p70 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 IL12 p70 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

IL12 p70

#### 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 µl

#### Alternate Names

IL12A ; Interleukin 12A; IL-12A; NKSF1; CLMF; NFSK; P35; Interleukin 12A (Natural Killer Cell Stimulatory Factor 1, Cytotoxic Lymphocyte Maturation Factor 1, P35); Cytotoxic Lymphocyte Maturation Factor 35 KDa Subunit; Cytotoxic Lymphocyte Maturation Factor 1, P35; NF Cell Stimulatory Factor Chain 1; NK Cell Stimulatory Factor Chain 1; Interleukin-12 Subunit Alpha; Interleukin-12 Alpha Chain; Interleukin 12, P35; IL-12, Subunit P35; IL35 Subunit; CLMF P35; Natural Killer Cell Stimulatory Factor 1, 35 KD Subunit; IL-12 Subunit P35

### 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

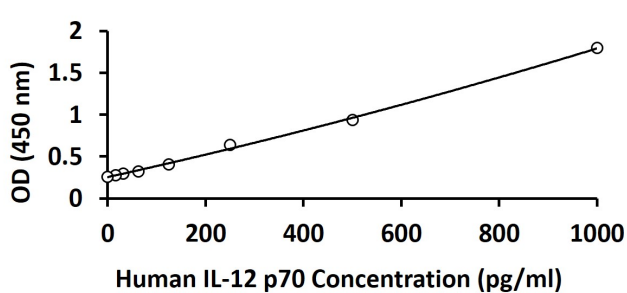
IL12A

#### Gene Full Name

Interleukin 12A

Background	This gene encodes a subunit of a cytokine that acts on T and natural killer cells, and has a broad array of biological activities. The cytokine is a disulfide-linked heterodimer composed of the 35-kD subunit encoded by this gene, and a 40-kD subunit that is a member of the cytokine receptor family. This cytokine is required for the T-cell-independent induction of interferon (IFN)-gamma, and is important for the differentiation of both Th1 and Th2 cells. The responses of lymphocytes to this cytokine are mediated by the activator of transcription protein STAT4. Nitric oxide synthase 2A (NOS2A/NOS2) is found to be required for the signaling process of this cytokine in innate immunity. [provided by RefSeq, Jul 2008]
Function	Signaling requires the transcription factors STAT1 and STAT4, which form a unique heterodimer that binds to distinct DNA sites. [UniProt]
PTM	Disulfide bond, Glycoprotein. [UniProt]
Cellular Localization	Secreted. [UniProt]

Images



ARG83579 arigoQIK Human IL12 p70 ELISA Development Kit standard curve image

ARG83579 arigoQIK Human IL12 p70 ELISA Development Kit results of a typical standard run with optical density reading at 450 nm.