

ARG83581

arigoQIK® Human IL17 / IL17A ELISA Development Kit

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

Summary

Product Description

ARG83581 arigoQIK® Human IL17 / IL17A 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 IL17 / IL17A 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

IL17 / IL17A

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

IL17A; Interleukin 17A; IL-17A; IL-17; CTLA8; IL17; Interleukin 17 (Cytotoxic T-Lymphocyte-Associated Serine Esterase 8); Cytotoxic T-Lymphocyte-Associated Protein 8; Cytotoxic T-Lymphocyte-Associated Antigen 8; Interleukin-17A; CTLA-8; Interleukin-17; ILA17

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

IL17A

Gene Full Name

Interleukin 17A

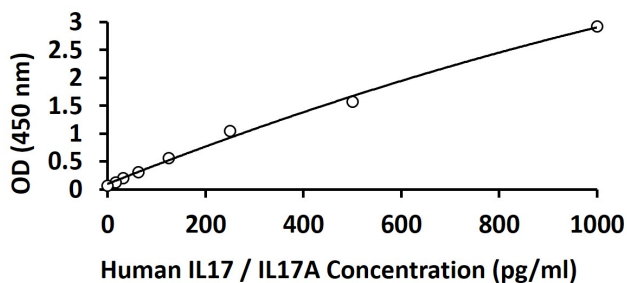
Background

This gene is a member of the IL-17 receptor family which includes five members (IL-17RA-E) and the encoded protein is a proinflammatory cytokine produced by activated T cells. IL-17A-mediated downstream pathways induce the production of inflammatory molecules, chemokines, antimicrobial

peptides, and remodeling proteins. The encoded protein elicits crucial impacts on host defense, cell trafficking, immune modulation, and tissue repair, with a key role in the induction of innate immune defenses. This cytokine stimulates non-hematopoietic cells and promotes chemokine production thereby attracting myeloid cells to inflammatory sites. This cytokine also regulates the activities of NF-kappaB and mitogen-activated protein kinases and can stimulate the expression of IL6 and cyclooxygenase-2 (PTGS2/COX-2), as well as enhance the production of nitric oxide (NO). IL-17A plays a pivotal role in various infectious diseases, inflammatory and autoimmune disorders, and cancer. High levels of this cytokine are associated with several chronic inflammatory diseases including rheumatoid arthritis, psoriasis and multiple sclerosis. The lung damage induced by the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) is to a large extent, a result of the inflammatory response promoted by cytokines such as IL17A. [provided by RefSeq, Sep 2020]

Function	Contributes to influenza A virus (H1N1) clearance by driving the differentiation of B-1a B cells, providing for production of virus-specific IgM antibodies at first line of host defense. [UniProt]
PTM	Disulfide bond, Glycoprotein. [UniProt]
Cellular Localization	Secreted. [UniProt]

Images



ARG83581 arigoQIK Human IL17 / IL17A ELISA Development Kit standard curve image

ARG83581 arigoQIK Human IL17 / IL17A ELISA Development Kit results of a typical standard run with optical density reading at 450 nm.