

## ARG83542

## arigoQIK™ Mouse IL13 ELISA Development Kit

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

## Summary

## Product Description

ARG83542 arigoQIK™ Mouse IL13 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 Mouse IL13 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

Ms

## Tested Application

ELISA

## Target Name

IL13

## Conjugation

HRP

## Conjugation Note

Substrate: TMB and read at 450 nm.

## Sensitivity

1.95 pg/ml

## Sample Type

Serum, plasma and cell culture supernatants.

## Standard Range

3.91 - 250pg/ml

## Sample Volume

50 µl

## Alternate Names

IL13; Interleukin 13; IL-13; P600; Interleukin-13; MGC116786; MGC116788; MGC116789; ALRH; BHR1; Bronchial Hyperresponsiveness-1 (Bronchial Asthma); Allergic Rhinitis; NC30

## 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

IL13

## Gene Full Name

Interleukin 13

## Background

This gene encodes an immunoregulatory cytokine produced primarily by activated Th2 cells. This cytokine is involved in several stages of B-cell maturation and differentiation. It up-regulates CD23 and MHC class II expression, and promotes IgE isotype switching of B cells. This cytokine down-regulates macrophage activity, thereby inhibits the production of pro-inflammatory cytokines and chemokines. This cytokine is found to be critical to the pathogenesis of allergen-induced asthma but operates through mechanisms independent of IgE and eosinophils. This gene, IL3, IL5, IL4, and CSF2 form a

cytokine gene cluster on chromosome 5q, with this gene particularly close to IL4. [provided by RefSeq, Jul 2008]

**Function** Aside from IL13RA1, another receptor IL13RA2 acts as a high affinity decoy for IL13 and mediates internalization and depletion of extracellular IL13. [UniProt]

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

**PTM** Disulfide bond, Glycoprotein. [UniProt]

**Cellular Localization** Secreted. [UniProt]