

## ARG83823 Human IL23A / IL23 p19 ELISA Kit

Package: 96 wells  
Store at: 4°C, -20°C

### Summary

Product Description	ARG83823 Human IL23A / IL23 p19 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human IL23A / IL23 p19 in serum and plasma (heparin, EDTA), cell culture supernatants
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	IL23A / IL23 p19
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	7.81 pg/ml
Sample Type	serum and plasma (heparin, EDTA), cell culture supernatants
Standard Range	15.625 pg/ml - 1000 pg/ml
Sample Volume	50 µl
Alternate Names	IL-23A; IL-23; IL-23 subunit alpha; IL23P19; IL-23p19; Interleukin-23 subunit alpha; IL-23-A; P19; SGRF; Interleukin-23 subunit p19

### Application Instructions

Assay Time 4 hours

### Properties

Form	96 well
Storage instruction	Store the kit at 4°C, -20°C. Keep microplate wells sealed in a dry bag with desiccants. 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

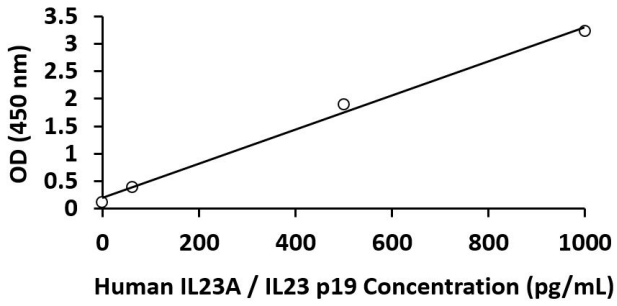
Gene Symbol	IL23A
Gene Full Name	interleukin 23, alpha subunit p19
Background	This gene encodes a subunit of the heterodimeric cytokine interleukin 23 (IL23). IL23 is composed of this protein and the p40 subunit of interleukin 12 (IL12B). The receptor of IL23 is formed by the beta 1 subunit of IL12 (IL12RB1) and an IL23 specific subunit, IL23R. Both IL23 and IL12 can activate the transcription activator STAT4, and stimulate the production of interferon-gamma (IFNG). In contrast to IL12, which acts mainly on naive CD4(+) T cells, IL23 preferentially acts on memory CD4(+) T cells. [provided by RefSeq, Jul 2008]
Function	Associates with IL12B to form the IL-23 interleukin, a heterodimeric cytokine which functions in innate and adaptive immunity. IL-23 may constitute with IL-17 an acute response to infection in peripheral

tissues. IL-23 binds to a heterodimeric receptor complex composed of IL12RB1 and IL23R, activates the Jak-Stat signaling cascade, stimulates memory rather than naive T-cells and promotes production of proinflammatory cytokines. IL-23 induces autoimmune inflammation and thus may be responsible for autoimmune inflammatory diseases and may be important for tumorigenesis. [UniProt]

Cellular Localization

Secreted. Note=Secreted upon association with IL12B. [UniProt]

## Images



ARG83823 Human IL23A / IL23 p19 ELISA Kit standard curve image

ARG83823 Human IL23A / IL23 p19 ELISA Kit results of a typical standard run with optical density reading at 450 nm.