

ARG83531

arigoQIK™ Human IL33 ELISA Development Kit

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

Summary

Product Description

ARG83531 arigoQIK™ Human IL33 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 IL33 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

IL33

Conjugation

HRP

Conjugation Note

Substrate: TMB and read at 450 nm.

Sensitivity

7.81 pg/ml

Sample Type

Serum, plasma and cell culture supernatants.

Standard Range

15.63 - 1000pg/ml

Sample Volume

50 µl

Alternate Names

IL33; Interleukin 33; NF-HEV; IL1F11; C9orf26; DVS27; Nuclear Factor From High Endothelial Venules; Nuclear Factor For High Endothelial Venules; Interleukin-1 Family Member 11; DVS27-Related Protein; Interleukin-33; DKFZp586H0523; Chromosome 9 Open Reading Frame 26 (NF-HEV); Interleukin-1 Family, Member 11; IL-1F11; NFEHEV; NFHEV; IL-33

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

IL33

Gene Full Name

Interleukin 33

Background

The protein encoded by this gene is a cytokine that binds to the IL1RL1/ST2 receptor. The encoded protein is involved in the maturation of Th2 cells and the activation of mast cells, basophils, eosinophils and natural killer cells. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2015]

Function	Induces rapid UCP2-dependent mitochondrial rewiring that attenuates the generation of reactive oxygen species and preserves the integrity of Krebs cycle required for persistent production of itaconate and subsequent GATA3-dependent differentiation of inflammation-resolving alternatively activated macrophages. [UniProt]
Highlight	Related news: arigoQIK, DIY your sandwich ELISA kits;
Cellular Localization	Chromosome, Cytoplasm, Cytoplasmic vesicle, Nucleus, Secreted. [UniProt]