ARG83680

arigoQIK® Human IL5 ELISA Development Kit

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

Summary

Product Description	ARG83680 arigoQIK® Human IL5 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 IL5 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 aboutarigoQIK® : ● 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	IL5
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	1.17 pg/mL
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	2.34-150 pg/mL
Sample Volume	50 µL
Alternate Names	IL5; Interleukin 5; IL-5; TRF; Eosinophil Differentiation Factor; T-Cell Replacing Factor; Interleukin-5; EDF; Colony-Stimulating Factor, Eosinophil; B-Cell Differentiation Factor I; Interleukin 5 (Colony-Stimulating Factor, Eosinophil); B Cell Differentiation Factor I

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	IL5
Gene Full Name	Interleukin 5
Background	This gene encodes a cytokine that acts as a growth and differentiation factor for both B cells and eosinophils. The encoded cytokine plays a major role in the regulation of eosinophil formation, maturation, recruitment and survival. The increased production of this cytokine may be related to pathogenesis of eosinophil-dependent inflammatory diseases. This cytokine functions by binding to its receptor, which is a heterodimer, whose beta subunit is shared with the receptors for interleukine 3

	(IL3) and colony stimulating factor 2 (CSF2/GM-CSF). This gene is located on chromosome 5 within a cytokine gene cluster which includes interleukin 4 (IL4), interleukin 13 (IL13), and CSF2 . This gene, IL4, and IL13 may be regulated coordinately by long-range regulatory elements spread over 120 kilobases on chromosome 5q31. [provided by RefSeq, Jul 2013]
Function	Binding to the receptor leads to activation of various kinases including LYN, SYK and JAK2 and thereby propagates signals through the RAS-MAPK and JAK-STAT5 pathways respectively. [Uniprot]