

ARG80170 Human IL37 / IL1F7 / FIL1 zeta ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG80170-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG80170-002	Standard (Lyophilized)	3 X 1.6 ng/vial	4°C
ARG80170-003	Standard diluent buffer	20 ml	4°C
ARG80170-004	Antibody conjugate concentrate	400 µl	4°C
ARG80170-005	Antibody diluent buffer	16 ml	4°C
ARG80170-006	HRP-Streptavidin concentrate	400 µl	4°C (Protect from light)
ARG80170-007	HRP-Streptavidin diluent buffer	16 ml	4°C
ARG80170-008	20X Wash buffer	50 ml	4°C
ARG80170-009	TMB substrate	12ml	4°C (Protect from light)
ARG80170-010	STOP solution	12ml	4°C
ARG80170-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG80170 Human IL37 / IL1F7 / FIL1 zeta ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human IL37 / IL1F7 / FIL1 zeta in serum, plasma and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	No significant cross-reactivity or interference with Human IL-1α/IL-1F1, IL-β/IL-1F2, IL-1ra/IL-1F3, IL-18/IL-1F4, IL-36α/IL-1F6, IL-38/IL-1F10
Target Name	IL37 / IL1F7 / FIL1 zeta
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	15 pg/ml
Sample Type	Serum, plasma and cell culture supernatants
Standard Range	31.25 - 2000 pg/ml

Sample Volume	100 µl
Precision	CV: less than 10%
Alternate Names	Interleukin-1 zeta; IL-1 zeta; FIL1; Interleukin-37; IL-1X; IL-1F7; FIL1 zeta; IL-1H4; Interleukin-1 homolog 4; FIL1Z; IL1H4; Interleukin-1 family member 7; Interleukin-23; IL-37; FIL1(ZETA); IL-1H; IL-1RP1; IL1RP1; IL1F7; Interleukin-1-related protein

Application Instructions

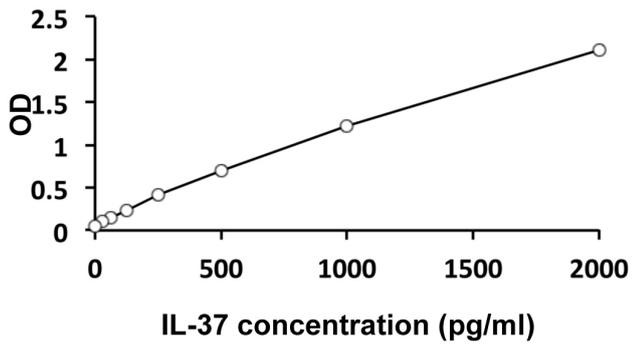
Assay Time	4 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°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

Database links	GeneID: 27178 Human Swiss-port # Q9NZH6 Human
Gene Symbol	IL37
Gene Full Name	interleukin 37
Background	The protein encoded by this gene is a member of the interleukin 1 cytokine family. This cytokine can bind to, and may be a ligand for interleukin 18 receptor (IL18R1/IL-1Rrp). This cytokine also binds to interleukin 18 binding protein (IL18BP), an inhibitory binding protein of interleukin 18 (IL18), and subsequently forms a complex with IL18 receptor beta subunit, and through which it inhibits the activity of IL18. This gene along with eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. Five alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq]
Highlight	Related products: IL1F7 ELISA Kits: New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Research Area	Immune System kit
PTM	Proteolytically converted to the mature form by CASP1.



ARG80170 Human IL37 / IL1F7 / FIL1 zeta ELISA Kit standard curve image

ARG80170 Human IL37 / IL1F7 / FIL1 zeta ELISA Kit results of a typical standard run with optical density reading at 450 nm.