

ARG80138 Human IL18 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG80138-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG80138-002	Standard (Lyophilized)	3 X 1 ng/vial	4°C
ARG80138-003	Standard diluent buffer	20 ml	4°C
ARG80138-004	Antibody conjugate concentrate	400 µl	4°C
ARG80138-005	Antibody diluent buffer	16 ml	4°C
ARG80138-006	HRP-Streptavidin concentrate	400 µl	4°C (Protect from light)
ARG80138-007	HRP-Streptavidin diluent buffer	16 ml	4°C
ARG80138-008	20X Wash buffer	50 ml	4°C
ARG80138-009	TMB substrate	12ml	4°C (Protect from light)
ARG80138-010	STOP solution	12ml	4°C
ARG80138-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG80138 Human IL18 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human IL18 in Serum, Plasma, Cell culture supernatants, Urine, Tissue Lysates, Cerebrospinal fluid
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	No significant cross-reactivity or interference with Human IFN- alpha, IFN- gamma, IL-1 beta, IL-4, IL-5, IL-6, IL-10, IL-12, GM-CSF & mouse IL-18
Target Name	IL18
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	8 pg/ml
Sample Type	Serum, Plasma, Cell culture supernatants, Urine, Tissue Lysates, Cerebrospinal fluid
Standard Range	15.6 - 1000 pg/ml

Sample Volume	100 µl
Precision	CV: less than 10%
Alternate Names	Ibctadekin; Interferon gamma-inducing factor; Interleukin-18; IL-18; IFN-gamma-inducing factor; IL-1 gamma; IGIF; IL-1g; Interleukin-1 gamma; IL1F4

Application Instructions

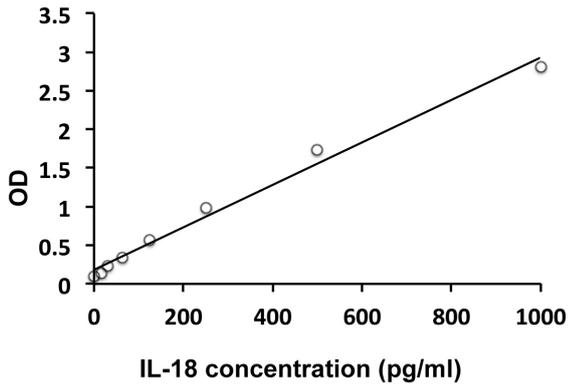
Assay Time	4 hours
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Properties

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

Gene Symbol	IL18
Gene Full Name	interleukin 18
Background	The protein encoded by this gene is a proinflammatory cytokine that augments natural killer cell activity in spleen cells, and stimulates interferon gamma production in T-helper type I cells. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011]
Function	Augments natural killer cell activity in spleen cells and stimulates interferon gamma production in T-helper type I cells. [UniProt]
Highlight	<p>Related products: IL18 antibodies; IL18 ELISA Kits;</p> <p>Related news: Activation of IL-1 beta and IL-18 by Canonical Inflammasome Pathway</p> <p>New ELISA data calculation tool: Simplify the ELISA analysis by GainData</p>
Research Area	Cancer kit; Immune System kit; Metabolism kit
PTM	The pro-IL-18 precursor is processed by CASP1 or CASP4 to yield the active form.



ARG80138 Human IL18 ELISA Kit standard curve image

ARG80138 Human IL18 ELISA Kit results of a typical standard run with optical density reading at 450 nm.