

ARG81692 Rat IL18 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81692-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81692-002	Standard	2 X 10 ng/vial	4°C
ARG81692-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81692-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81692-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81692-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81692-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81692-008	25X Wash buffer	20 ml	4°C
ARG81692-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81692-010	STOP solution	10 ml (Ready to use)	4°C
ARG81692-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81692 Rat IL18 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat IL18 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Rat
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	IL18
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	7.8 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	15.6 - 1000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.3%; Inter-Assay CV: 6.4%
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	~ 5 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	Related products: IL18 antibodies ; IL18 ELISA Kits ; IL18 recombinant proteins ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	The pro-IL-18 precursor is processed by CASP1 or CASP4 to yield the active form. [UniProt]

Images

