

## ARG81863 Human IL18R1 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG81863-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81863-002	Standard	2 X 10 ng/vial	4°C
ARG81863-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81863-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81863-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81863-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81863-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81863-008	25X Wash buffer	20 ml	4°C
ARG81863-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81863-010	STOP solution	10 ml (Ready to use)	4°C
ARG81863-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG81863 Human IL18R1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human IL18R1 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	IL18R1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.0%; Inter-Assay CV: 7.1%
Alternate Names	IL1R-rp; IL1 receptor-related protein; CDw218a; IL-18R1; IL-1Rrp; IL-18R-1; CD218a; CD218 antigen-like family member A; Interleukin-18 receptor 1; IL18RA; IL1RRP; CD antigen CD218a

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	IL18R1
Gene Full Name	interleukin 18 receptor 1
Background	The protein encoded by this gene is a cytokine receptor that belongs to the interleukin 1 receptor family. This receptor specifically binds interleukin 18 (IL18), and is essential for IL18 mediated signal transduction. IFN-alpha and IL12 are reported to induce the expression of this receptor in NK and T cells. This gene along with four other members of the interleukin 1 receptor family, including IL1R2, IL1R1, ILRL2 (IL-1Rrp2), and IL1RL1 (T1/ST2), form a gene cluster on chromosome 2q. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2013]
Function	Receptor for interleukin 18 (IL-18). Binding to the agonist leads to the activation of NF-kappa-B. [UniProt]
Highlight	Related products:  New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>

Images

