

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

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|---------------------|---|
| 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 |

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| 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

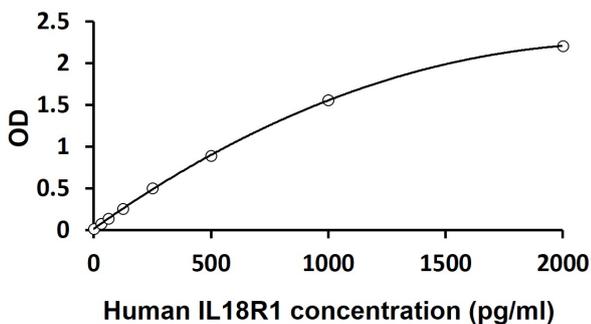
Properties

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|---------------------|--|
| 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

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|----------------|--|
| 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: Simplify the ELISA analysis by GainData |

Images



ARG81863 Human IL18R1 ELISA Kit standard curve image

ARG81863 Human IL18R1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.