

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

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

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

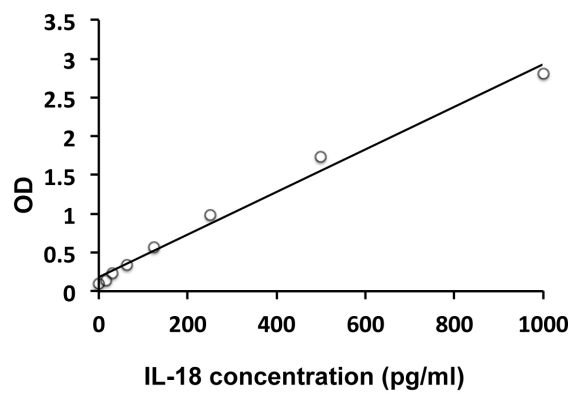
| | |
|------------|---------|
| Assay Time | 4 hours |
|------------|---------|

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 | 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:</p> <p>IL18 antibodies; IL18 ELISA Kits;</p> <p>Related news:</p> <p>Activation of IL-1 beta and IL-18 by Canonical Inflammasome Pathway</p> <p>New ELISA data calculation tool:</p> <p>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.