

ARG81458 Human IL17C ELISA Kit

Package: 96 wells
Store at: 4°C

Component

| Cat. No. | Component Name | Package | Temp |
|--------------|---------------------------------------|----------------------|---|
| ARG81458-001 | Antibody-coated microplate | 8 X 12 strips | 4°C. Unused strips should be sealed tightly in the air-tight pouch. |
| ARG81458-002 | Standard | 2 X 10 ng/vial | 4°C |
| ARG81458-003 | Standard/Sample diluent | 30 ml (Ready to use) | 4°C |
| ARG81458-004 | Antibody conjugate concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG81458-005 | Antibody diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG81458-006 | HRP-Streptavidin concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG81458-007 | HRP-Streptavidin diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG81458-008 | 25X Wash buffer | 20 ml | 4°C |
| ARG81458-009 | TMB substrate | 10 ml (Ready to use) | 4°C (Protect from light) |
| ARG81458-010 | STOP solution | 10 ml (Ready to use) | 4°C |
| ARG81458-011 | Plate sealer | 4 strips | Room temperature |

Summary

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| Product Description | ARG81458 Human IL17C ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human IL17C 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 | IL17C |
| Conjugation | HRP |
| Conjugation Note | Substrate: TMB and read at 450 nm. |
| Sensitivity | 62.5 pg/ml |
| Sample Type | Serum, plasma (heparin, EDTA) and cell culture supernatants. |
| Standard Range | 125 - 8000 pg/ml |
| Sample Volume | 100 µl |

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| Precision | Intra-Assay CV: 6.1% Inter-Assay CV: 7.0% |
| Alternate Names | IL-17C; CX2; Interleukin-17C; Cytokine CX2 |

Application Instructions

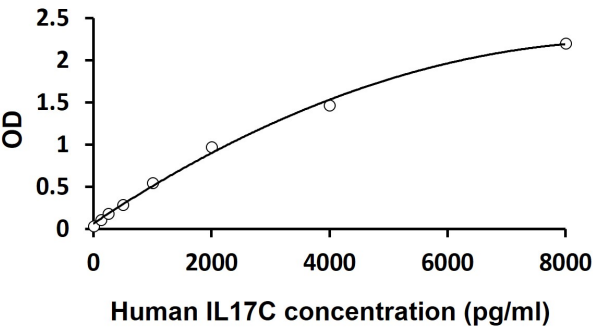
| | |
|------------|-----------|
| Assay Time | ~ 5 hours |
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Properties

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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 | IL17C |
| Gene Full Name | interleukin 17C |
| Background | The protein encoded by this gene is a T cell-derived cytokine that shares the sequence similarity with IL17. This cytokine was reported to stimulate the release of tumor necrosis factor alpha and interleukin 1 beta from a monocytic cell line. The expression of this cytokine was found to be restricted to activated T cells. [provided by RefSeq, Jul 2008] |
| Function | Cytokine that plays a crucial role in innate immunity of the epithelium, including to intestinal bacterial pathogens, in an autocrine manner. Stimulates the production of antibacterial peptides and proinflammatory molecules for host defense by signaling through the NF-kappa-B and MAPK pathways. Acts synergically with IL22 in inducing the expression of antibacterial peptides, including S100A8, S100A9, REG3A and REG3G. Synergy is also observed with TNF and IL1B in inducing DEFB2 from keratinocytes. Depending on the type of insult, may have both protective and pathogenic properties, either by maintaining epithelial homeostasis after an inflammatory challenge or by promoting inflammatory phenotype. Enhanced IL17C/IL17RE signaling may also lead to greater susceptibility to autoimmune diseases. [UniProt] |
| Highlight | Related products: IL17 antibodies ; IL17 ELISA Kits ; IL17 recombinant proteins ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData |



ARG81458 Human IL17C ELISA Kit standard curve image

ARG81458 Human IL17C ELISA Kit results of a typical standard run with optical density reading at 450 nm.