

ARG81784 Rat CCL4 / MIP1 beta ELISA Kit

Package: 96 wells
Store at: 4°C

Component

| Cat. No. | Component Name | Package | Temp |
|--------------|---------------------------------------|----------------------|---|
| ARG81784-001 | Antibody-coated microplate | 8 X 12 strips | 4°C. Unused strips should be sealed tightly in the air-tight pouch. |
| ARG81784-002 | Standard | 2 X 10 ng/vial | 4°C |
| ARG81784-003 | Standard/Sample diluent | 30 ml (Ready to use) | 4°C |
| ARG81784-004 | Antibody conjugate concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG81784-005 | Antibody diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG81784-006 | HRP-Streptavidin concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG81784-007 | HRP-Streptavidin diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG81784-008 | 25X Wash buffer | 20 ml | 4°C |
| ARG81784-009 | TMB substrate | 10 ml (Ready to use) | 4°C (Protect from light) |
| ARG81784-010 | STOP solution | 10 ml (Ready to use) | 4°C |
| ARG81784-011 | Plate sealer | 4 strips | Room temperature |

Summary

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| Product Description | ARG81784 Rat CCL4 / MIP1 beta ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat CCL4 / MIP1 beta in serum, plasma (heparin, EDTA, citrate) and cell culture supernatants. |
| Tested Reactivity | Rat |
| Tested Application | ELISA |
| Specificity | There is no detectable cross-reactivity with other relevant proteins. |
| Target Name | CCL4 / MIP1 beta |
| Conjugation | HRP |
| Conjugation Note | Substrate: TMB and read at 450 nm. |
| Sensitivity | 7.8 pg/ml |
| Sample Type | Serum, plasma (heparin, EDTA, citrate) and cell culture supernatants. |
| Standard Range | 15.6 - 1000 pg/ml |
| Sample Volume | 100 µl |

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|-----------------|---|
| Precision | Intra-Assay CV: 5.5%; Inter-Assay CV: 6.5% |
| Alternate Names | ACT2; G-26; HC21; LAG1; LAG-1; MIP1B; SCYA2; SCYA4; MIP1B1; AT744.1; MIP-1-beta |

Application Instructions

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|------------|-----------|
| 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 | CCL4 |
| Gene Full Name | C-C motif chemokine ligand 4 |
| Background | The protein encoded by this gene is a mitogen-inducible monokine and is one of the major HIV-suppressive factors produced by CD8+ T-cells. The encoded protein is secreted and has chemokinetic and inflammatory functions. [provided by RefSeq, Dec 2012] |
| Function | Monokine with inflammatory and chemokinetic properties. Binds to CCR5. One of the major HIV-suppressive factors produced by CD8+ T-cells. Recombinant MIP-1-beta induces a dose-dependent inhibition of different strains of HIV-1, HIV-2, and simian immunodeficiency virus (SIV). The processed form MIP-1-beta(3-69) retains the abilities to induce down-modulation of surface expression of the chemokine receptor CCR5 and to inhibit the CCR5-mediated entry of HIV-1 in T-cells. MIP-1-beta(3-69) is also a ligand for CCR1 and CCR2 isoform B. [UniProt] |
| Highlight | Related products: CCL4 antibodies ; CCL4 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData |

Images

