

ARG81661 Rat CCL20 / MIP3 alpha ELISA Kit

Package: 96 wells
Store at: 4°C

Component

| Cat. No. | Component Name | Package | Temp |
|--------------|---------------------------------------|----------------------|---------------------------------------------------------------------|
| ARG81661-001 | Antibody-coated microplate | 8 X 12 strips | 4°C. Unused strips should be sealed tightly in the air-tight pouch. |
| ARG81661-002 | Standard | 2 X 10 ng/vial | 4°C |
| ARG81661-003 | Standard/Sample diluent | 30 ml (Ready to use) | 4°C |
| ARG81661-004 | Antibody conjugate concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG81661-005 | Antibody diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG81661-006 | HRP-Streptavidin concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG81661-007 | HRP-Streptavidin diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG81661-008 | 25X Wash buffer | 20 ml | 4°C |
| ARG81661-009 | TMB substrate | 10 ml (Ready to use) | 4°C (Protect from light) |
| ARG81661-010 | STOP solution | 10 ml (Ready to use) | 4°C |
| ARG81661-011 | Plate sealer | 4 strips | Room temperature |

Summary

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| Product Description | ARG81661 Rat CCL20 / MIP3 alpha ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat CCL20 / MIP3 alpha in serum, plasma (heparin, EDTA) and cell culture supernatants. |
| Tested Reactivity | Rat |
| Tested Application | ELISA |
| Specificity | There is no detectable cross-reactivity with other relevant proteins. |
| Target Name | CCL20 / MIP3 alpha |
| 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: 5.3%; Inter-Assay CV: 6.1% |
| Alternate Names | ST38; CC chemokine LARC; Exodus; Macrophage inflammatory protein 3 alpha; 2-70; MIP-3a; Beta-chemokine exodus-1; SCYA20; MIP-3-alpha; LARC; MIP3A; 1-64; Small-inducible cytokine A20; 1-67; CKb4; C-C motif chemokine 20; Liver and activation-regulated chemokine |

Application Instructions

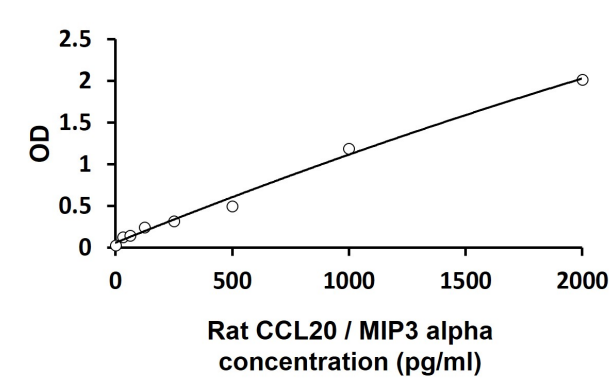
| | |
|------------|-----------|
| Assay Time | ~ 5 hours |
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Properties

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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 | CCL20 |
| Gene Full Name | chemokine (C-C motif) ligand 20 |
| Background | This antimicrobial gene belongs to the subfamily of small cytokine CC genes. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. The protein encoded by this gene displays chemotactic activity for lymphocytes and can repress proliferation of myeloid progenitors. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2014] |
| Function | Chemotactic factor that attracts lymphocytes and, slightly, neutrophils, but not monocytes. Inhibits proliferation of myeloid progenitors in colony formation assays. May be involved in formation and function of the mucosal lymphoid tissues by attracting lymphocytes and dendritic cells towards epithelial cells. C-terminal processed forms have been shown to be equally chemotactically active for leukocytes. Possesses antibacterial activity E.coli ATCC 25922 and S.aureus ATCC 29213. [UniProt] |
| Highlight | Related products: CCL20 antibodies ; CCL20 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData |
| PTM | C-terminal processed forms which lack 1, 3 or 6 amino acids are produced by proteolytic cleavage after secretion from peripheral blood monocytes. [UniProt] |



ARG81661 Rat CCL20 / MIP3 alpha ELISA Kit standard curve image

ARG81661 Rat CCL20 / MIP3 alpha ELISA Kit results of a typical standard run with optical density reading at 450 nm.