

## 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

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

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

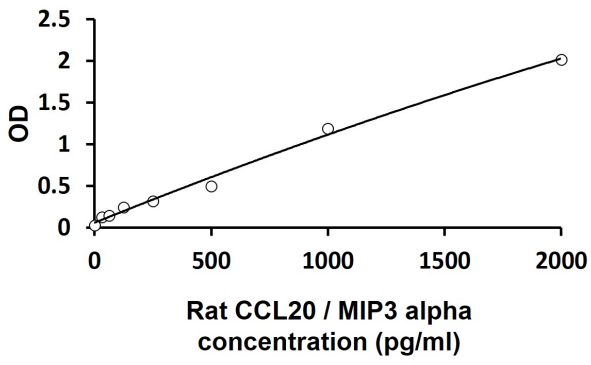
Assay Time	~ 5 hours
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## Properties

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

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: <a href="#">CCL20 antibodies</a> ; <a href="#">CCL20 ELISA Kits</a> ; New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>
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.