

ARG81818 Mouse CCL8 / MCP2 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81818-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81818-002	Standard	2 X 10 ng/vial	4°C
ARG81818-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81818-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81818-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81818-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81818-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81818-008	25X Wash buffer	20 ml	4°C
ARG81818-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81818-010	STOP solution	10 ml (Ready to use)	4°C
ARG81818-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81818 Mouse CCL8 / MCP2 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse CCL8 / MCP2 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	CCL8 / MCP2
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	7.8 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	15.6 - 1000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.0%; Inter-Assay CV: 6.4%
Alternate Names	SCYA10; MCP2; Small-inducible cytokine A8; 6-76; Monocyte chemotactic protein 2; HC14; SCYA8; C-C motif chemokine 8; MCP-2; Monocyte chemoattractant protein 2

Application Instructions

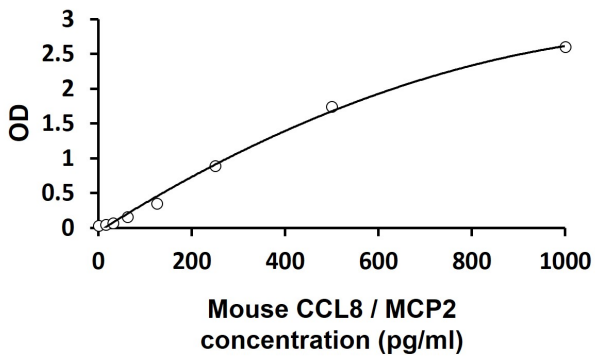
Assay Time	~ 5 hours
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Properties

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	CCL8
Gene Full Name	chemokine (C-C motif) ligand 8
Background	This antimicrobial gene is one of several chemokine genes clustered on the q-arm of chromosome 17. Chemokines form a superfamily of secreted proteins involved in immunoregulatory and inflammatory processes. The superfamily is divided into four subfamilies based on the arrangement of N-terminal cysteine residues of the mature peptide. This chemokine is a member of the CC subfamily which is characterized by two adjacent cysteine residues. This cytokine displays chemotactic activity for monocytes, lymphocytes, basophils and eosinophils. By recruiting leukocytes to sites of inflammation this cytokine may contribute to tumor-associated leukocyte infiltration and to the antiviral state against HIV infection. [provided by RefSeq, Sep 2014]
Function	Chemotactic factor that attracts monocytes, lymphocytes, basophils and eosinophils. May play a role in neoplasia and inflammatory host responses. This protein can bind heparin. The processed form MCP-2(6-76) does not show monocyte chemotactic activity, but inhibits the chemotactic effect most predominantly of CCL7, and also of CCL2 and CCL5 and CCL8. [UniProt]
Highlight	Related products: CCL8 antibodies ; CCL8 ELISA Kits ; Related news: Detecting MMPs and their non-ECM substrates New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	N-terminal processed form MCP-2(6-76) is produced by proteolytic cleavage after secretion from peripheral blood monocytes. [UniProt]



ARG81818 Mouse CCL8 / MCP2 ELISA Kit standard curve image

ARG81818 Mouse CCL8 / MCP2 ELISA Kit results of a typical standard run with optical density reading at 450 nm.