

ARG81707 Mouse MCP3 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81707-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81707-002	Standard	2 X 10 ng/vial	4°C
ARG81707-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81707-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81707-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81707-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81707-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81707-008	25X Wash buffer	20 ml	4°C
ARG81707-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81707-010	STOP solution	10 ml (Ready to use)	4°C
ARG81707-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81707 Mouse MCP3 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse MCP3 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	MCP3
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: 7.2%
Alternate Names	MCP3; NC28; Monocyte chemotactic protein 3; MARC; Small-inducible cytokine A7; FIC; C-C motif chemokine 7; Monocyte chemoattractant protein 3; MCP-3; SCYA7; SCYA6

Application Instructions

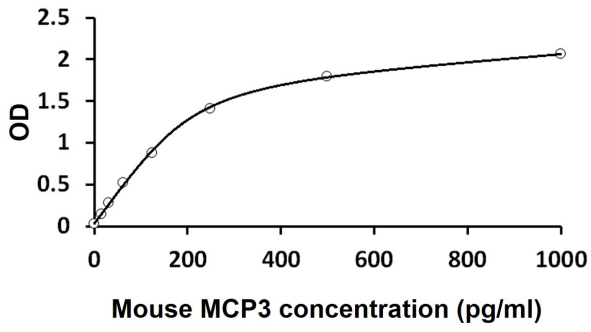
Assay Time	~ 5 hours
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Properties

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	CCL7
Gene Full Name	chemokine (C-C motif) ligand 7
Background	This gene encodes monocyte chemotactic protein 3, a secreted chemokine which attracts macrophages during inflammation and metastasis. It is a member of the C-C subfamily of chemokines which are characterized by having two adjacent cysteine residues. The protein is an in vivo substrate of matrix metalloproteinase 2, an enzyme which degrades components of the extracellular matrix. This gene is part of a cluster of C-C chemokine family members on chromosome 17q. [provided by RefSeq, Jul 2008]
Function	Chemotactic factor that attracts monocytes and eosinophils, but not neutrophils. Augments monocyte anti-tumor activity. Also induces the release of gelatinase B. This protein can bind heparin. Binds to CCR1, CCR2 and CCR3. [UniProt]
Highlight	<p>Related products: MCP3 antibodies; MCP3 ELISA Kits; MCP3 Duos / Panels;</p> <p>Related news: Detecting MMPs and their non-ECM substrates</p> <p>New ELISA data calculation tool: Simplify the ELISA analysis by GainData</p>
PTM	O-glycosylated. [UniProt]



ARG81707 Mouse MCP3 ELISA Kit standard curve image

ARG81707 Mouse MCP3 ELISA Kit results of a typical standard run with optical density reading at 450 nm.