

## Mouse MCP-3 Antibody Pair Set

<b>Catalog No.</b>	E-KAB-0607	<b>Applications</b>	ELISA
<b>Synonyms</b>	MCP3;FIC;MARC;NC28;SCYA6;SCYA7		

### Kit components & Storage

Title	Specifications	Storage
Mouse MCP-3 Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze/thaw cycles.
Mouse MCP-3 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze/thaw cycles.

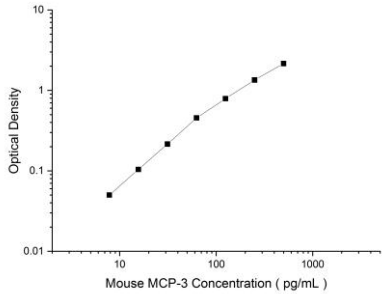
**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Product Information

Items		Characteristic (E-KAB-0607)	
		Mouse MCP-3 Capture Antibody	Mouse MCP-3 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse MCP-3 protien	Recombinant Mouse MCP-3 protien
	Swissprot	Q03366	
Product details	Reactivity	Mouse	Mouse
	Host	Goat	Goat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5
	Purify	Antigen Affinity	Antigen Affinity
	Specificity	Detects Mouse MCP-3 in ELISAs.	

## Applications

Mouse MCP-3 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images														
ELISA Capture	0.5-4 µg/mL	Mouse MCP-3 Capture Antibody	 <table border="1"> <caption>Standard Curve Data (Estimated)</caption> <thead> <tr> <th>Mouse MCP-3 Concentration (pg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>0.05</td> </tr> <tr> <td>20</td> <td>0.1</td> </tr> <tr> <td>50</td> <td>0.25</td> </tr> <tr> <td>100</td> <td>0.5</td> </tr> <tr> <td>200</td> <td>1.0</td> </tr> <tr> <td>500</td> <td>2.5</td> </tr> </tbody> </table>	Mouse MCP-3 Concentration (pg/mL)	Optical Density	10	0.05	20	0.1	50	0.25	100	0.5	200	1.0	500	2.5
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ELISA Detection	1:1000-1:10000	Mouse MCP-3 Detection Antibody (Biotin)															

**Note:** This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

## Background

CCL7, also known as MCP-3, was initially purified from cytokine-stimulated human osteosarcoma cell line (MG-63) conditioned medium. CCL7 has high similarity with CCL2/MCP-1 (71%), CCL8/MCP-2 (58%), and CCL13/MCP-4 (59%) at the amino acid level. Chemokines play a key role in inflammation and, in the initial phase, CXC chemokines chemoattract polymorphonuclear leukocytes (PMNs).