CCL2
Rabbit Anti-Rat Monocyte Chemoattractant Protein 1 Neutralizing pAb

Catalog No.	CPM000	**Quantity:**	500 µg
Alternate Names:	MCP-1, CCL2		
Description:	Chemokine (C-C motif) Ligand 2, also known as Monocyte Chemoattractant Protein 1 (MCP-1). Rat CCL2/MCP1 is a 148-amino acid C-C chemokine with a NH_2-terminal sequence of 29 residues as a signal sequence. It was originally cloned from Con A-stimulated rat spleen cDNA library. This rat MCP-1 is 49 amino acids longer than human MCP-1 at 3'-end. This 3'-end is a serine and threonine rich zone, which is probably responsible for the extensive O-glycosylation and explains the higher molecular weight (25 kDa). *In vitro*, MCP-1 is chemotactic for monocytes as well as lymphocytes and basophils, but not for neutrophils. MCP-1 is produced by a wide range of cell types as a reaction to diverse inflammatory stimuli.		
Gene ID:	24770		
UniProtKB:	P14844		
Specificity:	Rat CCL2 / MCP-1		
Host:	Rabbit		
Immunogen:	Recombinant Rat CCL2 / MCP-1		
Isotype:	IgG		
Formulation:	Lyophilized with 0.05% sodium azide.		
Purification:	Protein A affinity purification		
Reconstitution:	**Centrifuge vial prior to opening.** Add 500 µL sterile distilled water to the vial to fully solubilize the antibody to a concentration of 1 mg/mL.		
Cross-Reactivity:	Reacts with both rat MCP-1 and mouse JE/MCP-1. Cross-reactivity to MCP-1 of other species has not been determined.		
Applications:	WB, IHC, Neutralization		
Application Notes:	**WB:** use a working dilution of 1:2000. **IHC:** use a working dilution of 1:200. The optimal concentration should be determined by the user for each specific application.		

Storage & Stability:

Cell Sciences®
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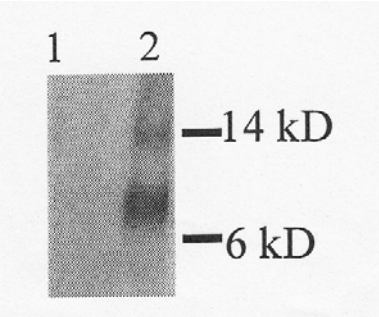
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com

Avoid repeated freeze-thaw cycles.

Statement: PPE is recommended when working with products containing sodium azide.

MCP-1 detected by Western blot in (1) LPS stimulated RAW cells and (2) rMCP-1 transfected cells.



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