

For Research Use Only

# Rat MCP-1/CCL2 Recombinant antibody, PBS Only (Capture)

Catalog Number: 83370-4-PBS



## Basic Information

<b>Catalog Number:</b> 83370-4-PBS	<b>GenBank Accession Number:</b> NML_031530	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 24770	<b>CloneNo.:</b> 240341C1
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P14844	
<b>Isotype:</b> IgG	<b>Full Name:</b> chemokine (C-C motif) ligand 2	
	<b>Calculated MW:</b> 16 kDa	

## Applications

**Tested Applications:**  
Sandwich ELISA, Indirect ELISA, Sample test

**Species Specificity:**  
rat

## Product Information

83370-4-PBS targets MCP-1/CCL2 as part of a matched antibody pair:

MP00390-3: 83370-4-PBS capture and 83370-2-PBS detection (validated in Sandwich ELISA)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

## Storage

**Storage:**  
Store at -80°C.  
**Storage Buffer:**  
PBS Only

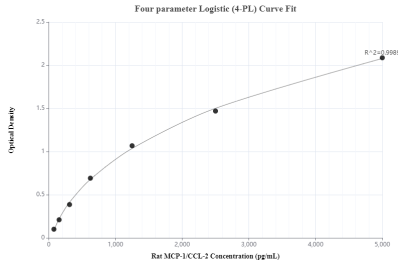
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
in USA), or 1(312) 455-8498 (outside USA)

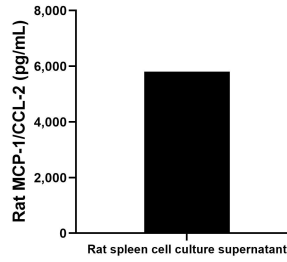
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

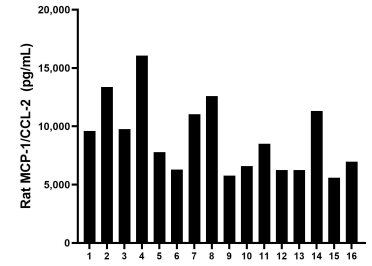
## Selected Validation Data



Sandwich ELISA standard curve of MP00390-3, rat MCP-1/CCL-2 Recombinant Matched Antibody Pair - PBS only. 83370-4-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard: Eg0397. 83370-2-PBS was HRP conjugated as the detection antibody. Range: 78.1-5000 pg/mL.



Rat spleen cell cultures (1/2 spleen; 1-2 mm pieces in 50 mL DMEM supplemented with 10% fetal bovine serum, containing 100 ng/mL LPS) were collected after culturing for 3 days in a CO<sub>2</sub>-enriched (9.5%) incubator. The cell culture supernatant was assayed for rat MCP-1/CCL2 and measured 5,804.62 pg/mL.



Serum of sixteen rat donors was measured. The MCP-1/CCL-2 concentration of detected samples was determined to be 8,981.3 pg/mL with a range of 5,770.2 - 16,068.9 pg/mL.