

**Anti-CCL2 / MCP1 Reference Antibody (carlumab)  
Recombinant Antibody  
Catalog # APR10197**

**Specification**

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**Anti-CCL2 / MCP1 Reference Antibody (carlumab) - Product Information**

Application	FC, E, FTA
Primary Accession	<a href="#">P13500</a>
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	145 KDa

**Anti-CCL2 / MCP1 Reference Antibody (carlumab) - Additional Information**

**Target/Specificity**  
CCL2 / MCP1

**Endotoxin**  
< 0.001EU/ µg, determined by LAL method.

**Conjugation**  
Unconjugated

**Expression system**  
CHO Cell

**Format**  
Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

**Anti-CCL2 / MCP1 Reference Antibody (carlumab) - Protein Information**

**Name** CCL2

**Synonyms** MCP1, SCYA2

**Function**  
Acts as a ligand for C-C chemokine receptor CCR2 (PubMed: [10529171](http://www.uniprot.org/citations/10529171), PubMed: [10587439](http://www.uniprot.org/citations/10587439), PubMed: [9837883](http://www.uniprot.org/citations/9837883)). Signals through binding and activation of CCR2 and induces a strong chemotactic response and mobilization of intracellular calcium ions (PubMed: [10587439](http://www.uniprot.org/citations/10587439), PubMed: [9837883](http://www.uniprot.org/citations/9837883)). Exhibits a chemotactic activity for monocytes and basophils but not neutrophils or eosinophils (PubMed: [8195247](http://www.uniprot.org/citations/8195247), PubMed: [8627182](http://www.uniprot.org/citations/8627182)

target="\_blank">8627182</a>, PubMed:<a href="http://www.uniprot.org/citations/9792674" target="\_blank">9792674</a>). May be involved in the recruitment of monocytes into the arterial wall during the disease process of atherosclerosis (PubMed:<a href="http://www.uniprot.org/citations/8107690" target="\_blank">8107690</a>).

#### Cellular Location

Secreted

#### Tissue Location

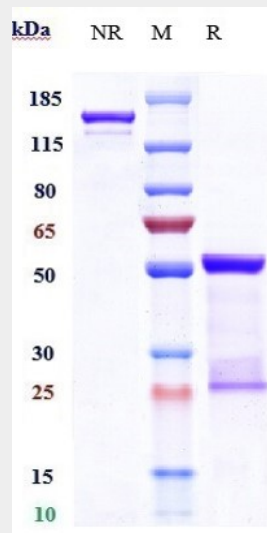
Expressed in the seminal plasma, endometrial fluid and follicular fluid (at protein level) (PubMed:23765988). Expressed in monocytes (PubMed:2513477).

### Anti-CCL2 / MCP1 Reference Antibody (carlumab) - Protocols

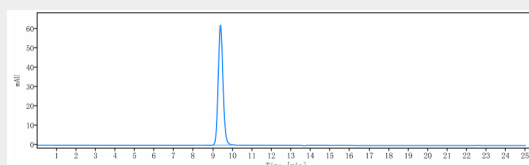
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Anti-CCL2 / MCP1 Reference Antibody (carlumab) - Images

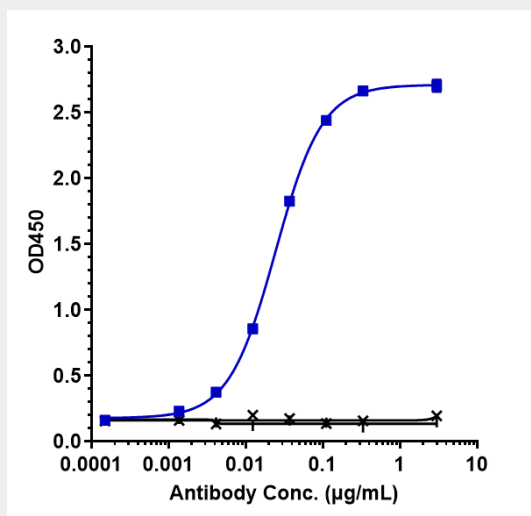


Anti-CCL2 / MCP1 Reference Antibody (carlumab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%



The purity of Anti-CCL2 / MCP1 Reference Antibody (carlumab) is more than 95%, determined by

## SEC-HPLC.



Immobilized human MCP1 His at 2 µg/mL can bind Anti-CCL2 / MCP1 Reference Antibody (carlumab)  $EC_{50}=0.02438$  µg/mL