

## MCP-1 Rabbit pAb

<b>Catalog No.</b>	A7277	<b>Category</b>	Polyclonal Antibodies
<b>Applications</b>	WB, IHC, IF	<b>Observed MW</b>	11kDa
<b>Cross-reactivity</b>	Human, Mouse, Rat	<b>Calculated MW</b>	11kDa

### Immunogen Information

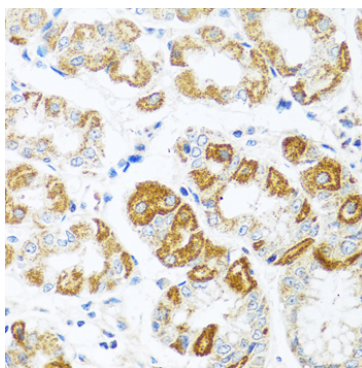
<b>Immunogen</b>	Recombinant fusion protein containing a sequence corresponding to amino acids 24-99 of human MCP-1 (NP_002973.1).
<b>Gene ID</b>	6347
<b>Swiss prot</b>	P13500
<b>Synonyms</b>	CCL2;GDCF-2;HC11;HSMCR30;MCAF;MCP-1;MCP1;SCYA2 ;SMC-CF

### Product information

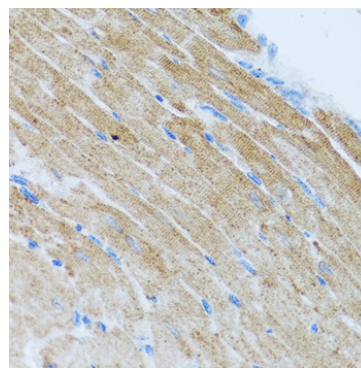
<b>Source</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification method</b>	Affinity purification
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

### Background

This gene is one of several cytokine genes clustered on the q-arm of chromosome 17. Chemokines are a superfamily of secreted proteins involved in immunoregulatory and inflammatory processes. The superfamily is divided into four subfamilies based on the arrangement of N-terminal cysteine residues of the mature peptide. This chemokine is a member of the CC subfamily which is characterized by two adjacent cysteine residues. This cytokine displays chemotactic activity for monocytes and basophils but not for neutrophils or eosinophils. It has been implicated in the pathogenesis of diseases characterized by monocytic infiltrates, like psoriasis, rheumatoid arthritis and atherosclerosis. It binds to chemokine receptors CCR2 and CCR4.



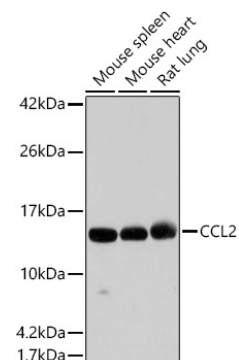
Immunohistochemistry of paraffin-embedded human stomach using MCP-1 antibody (A7277) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse heart using MCP-1 antibody (A7277) at dilution of 1:100 (40x lens).

### Recommended Dilutions

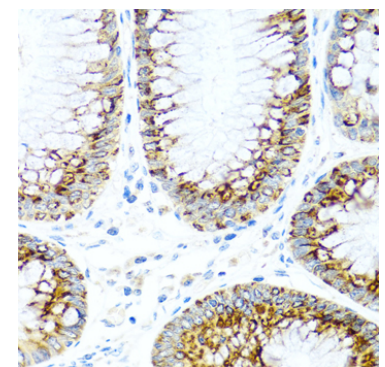
WB	1:500 - 1:2000
IHC	1:100 - 1:200
IF	1:50 - 1:100



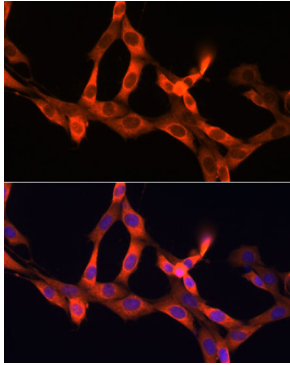
Western blot analysis of extracts of various cell lines, using CCL2 antibody (A7277) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.

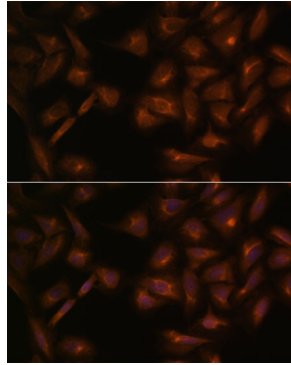
Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



Immunohistochemistry of paraffin-embedded human colon using MCP-1 antibody (A7277) at dilution of 1:100 (40x lens).



Immunofluorescence analysis of NIH/3T3 cells using MCP-1 antibody (A7277) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U-2 OS cells using MCP-1 antibody (A7277) at dilution of 1:100. Blue: DAPI for nuclear staining.