

CCL2/MCP-1 Rabbit mAb

Catalog No.: A29179 **Recombinant**

Basic Information

Observed MW

22 KDa

Calculated MW

16 KDa

Category

Primary antibody

Applications

WB, IF/ICC, ELISA

Cross-Reactivity

Mouse

CloneNo number

ARC81763

Background

This gene is one of several cytokine genes clustered on chromosome 11. 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 memory T cells but not for neutrophils. The human ortholog has been implicated in the pathogenesis of diseases characterized by monocytic infiltrates, such as psoriasis, rheumatoid arthritis, and atherosclerosis.

Recommended Dilutions

WB 1:2000 - 1:5000**IF/ICC** 1:200 - 1:800

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ($\geq 1:10000$) a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID

20296

Swiss Prot

P10148

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

JE; HC11; MCAF; MCP1; MCP-1; Scya2; Sigje; SMC-CF

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

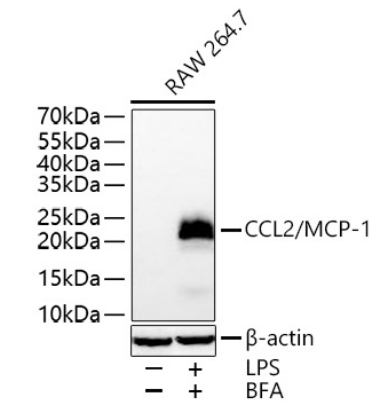
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

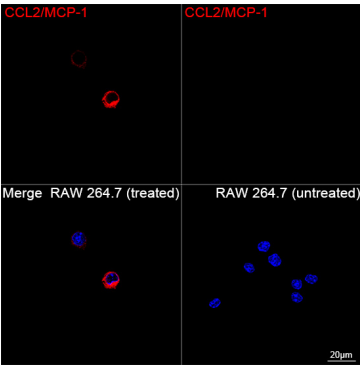
Contact

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Validation Data



Western blot analysis of lysates from RAW 264.7 cells using CCL2/MCP-1 Rabbit pAb (A29179) at 1:5000 dilution incubated overnight at 4°C. RAW 264.7 cells were treated with LPS (100 ng/mL) at 37°C for 4 hours and BFA (1 µg/mL) at 37°C for 3 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90 s.



Confocal imaging of RAW 264.7 cells (treated with LPS and BFA) and RAW 264.7 cells (untreated) using CCL2/MCP-1 Rabbit pAb (A29179, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.