Leader in Biomolecular Solutions for Life Science

CCL2/MCP-1 Rabbit mAb

Catalog No.: A29179

Recombinant

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Basic Information

Observed MW
22 KDa

Calculated MW
16 KDa

Category
Monoclonal Antibodies

Applications
WB, IF/ICC, ELISA

Cross Reactivity
Mouse

Clone No.
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 (≥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

Contact

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Product Information

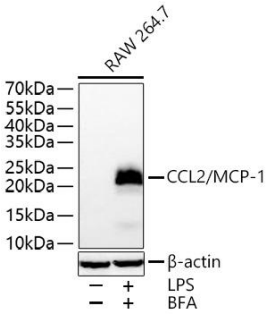
Source
Rabbit

Isotype
IgG

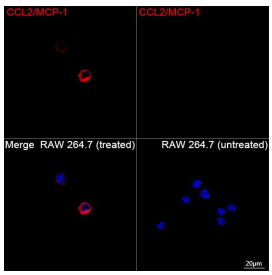
Purity
Affinity purification

Storage
Store at -20℃
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

Validation Data



Western blot analysis of lysates from RAW 264.7 cells using CCL2/MCP-1 Rabbit mAb (A29179) at 1:5000 dilution incubated overnight at 4℃. RAW 264.7 cells were treated with LPS (100 ng/mL) at 37℃ for 4 hours and BFA (1 μg/mL) at 37℃ 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 mAb (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.