

CCL3/MIP-1 alpha Rabbit mAb

Catalog No.: A28744 **Recombinant**

Basic Information

Observed MW

12 kDa

Calculated MW

10 kDa

Category

Primary antibody

Applications

WB,IP,IF/ICC,IHC-P,ELISA

Cross-Reactivity

Mouse, Rat

CloneNo number

ARC81992

Background

Enables chemokine activity. Involved in several processes, including astrocyte cell migration; macrophage chemotaxis; and positive regulation of macromolecule biosynthetic process. Located in extracellular space. Is expressed in articular cartilage; cartilage; knee joint; lung; and radius. Human ortholog(s) of this gene implicated in human immunodeficiency virus infectious disease. Orthologous to several human genes including CCL3 (C-C motif chemokine ligand 3).

Recommended Dilutions

WB 1:5000 - 1:15000

IP 0.5 µg - 4 µg antibody for
200 µg - 400 µg extracts
of whole cells

IF/ICC 1:200 - 1:800

IHC-P 1:1000 - 1:4000

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

20302

Swiss Prot

P10855

Immunogen

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

Synonyms

Mip1a; Scya3; G0S19-1; MIP1-(a); LD78alpha; MIP-1alpha; MIP1-alpha

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.

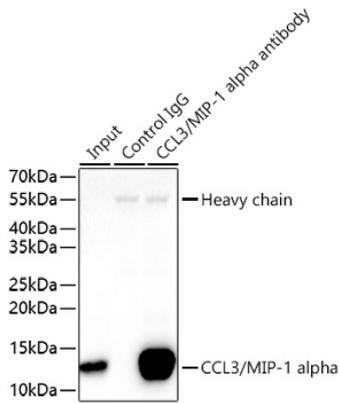
Contact

 | 400-999-6126

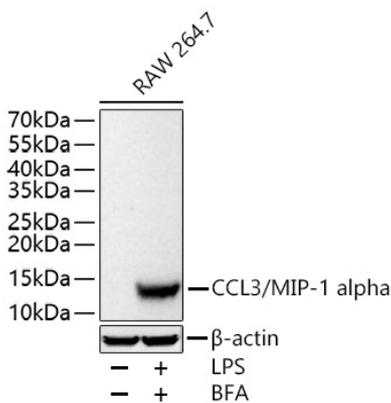
 | cn.market@abclonal.com.cn

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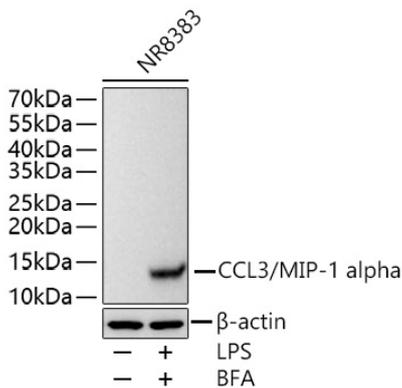
Validation Data



Immunoprecipitation of CCL3/MIP-1 alpha from 300 µg extracts of RAW 264.7 cells treated with LPS (100 ng/mL, 3 h) and BFA (300 ng/mL, 3 h) was performed using 2 µg of CCL3/MIP-1 alpha Rabbit mAb (A28744). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using CCL3/MIP-1 alpha Rabbit mAb (A28744) at a dilution of 1:5000.

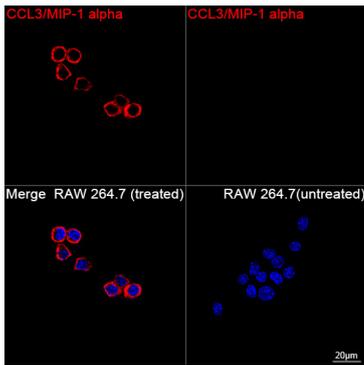


Western blot analysis of lysates from cells using CCL3/MIP-1 alpha Rabbit mAb (A28744) at 1:5000 dilution incubated overnight at 4°C. RAW 264.7 cells were treated with LPS (100 ng/mL) at 37°C for 3 hours and BFA (300 ng/mL) at 37°C for 3 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (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: 1 s.

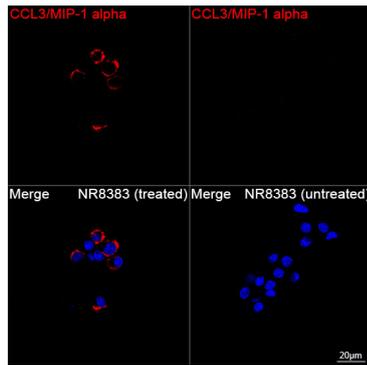


Western blot analysis of lysates from cells using CCL3/MIP-1 alpha Rabbit mAb (A28744) at 1:5000 dilution incubated overnight at 4°C. NR8383 cells were treated with LPS (100 ng/mL) at 37°C for 4 hours and BFA (1 µg/mL) at 37°C for 3 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (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: 1 s.

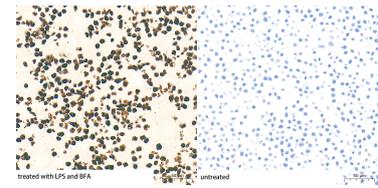
Validation Data



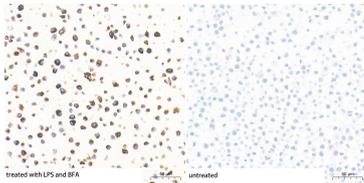
Confocal imaging of RAW 264.7 cells (treated with LPS and BFA) and RAW 264.7 cells (untreated) using CCL3/MIP-1 alpha Rabbit mAb (A28744, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of NR8383 cells (treated with LPS and BFA) and NR8383 cells (untreated) using CCL3/MIP-1 alpha Rabbit mAb (A28744, 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.



Immunohistochemistry analysis of paraffin-embedded RAW 264.7 cells, treated with LPS and BFA (left) and untreated (right), using CCL3/MIP-1 alpha Rabbit mAb (A28744) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded NR8383 cells, treated with LPS and BFA (left) and untreated (right), using CCL3/MIP-1 alpha Rabbit mAb (A28744) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.