

ARG56551 anti-CCL2 / MCP1 antibody

Package: 50 µg
Store at: -20°C

Summary

| | |
|---------------------|--|
| Product Description | Rabbit Polyclonal antibody recognizes CCL2 / MCP1 |
| Tested Reactivity | Ms |
| Tested Application | ELISA, IHC, Neut, WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | CCL2 / MCP1 |
| Species | Mouse |
| Immunogen | E. coli derived recombinant Mouse CCL2 / MCP1. |
| Conjugation | Un-conjugated |
| Alternate Names | MCP1; AI323594; MCAF; Monocyte chemotactic protein 1; Sigje; Small-inducible cytokine A2; Platelet-derived growth factor-inducible protein JE; HC11; SMC-CF; JE; Scya2; C-C motif chemokine 2; Monocyte chemoattractant protein 1; MCP-1 |

Application Instructions

| Application table | Application | Dilution |
|-------------------|-------------|---|
| | ELISA | 0.5 - 2.0 µg/ml |
| | IHC | 1.0 µg/ml |
| | Neut | 4.0 - 6.0 µg/ml (to yield [ND50] of the biological activity of MCP-1 (100 ng/ml)) |
| | WB | 0.1 - 0.2 µg/ml |

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

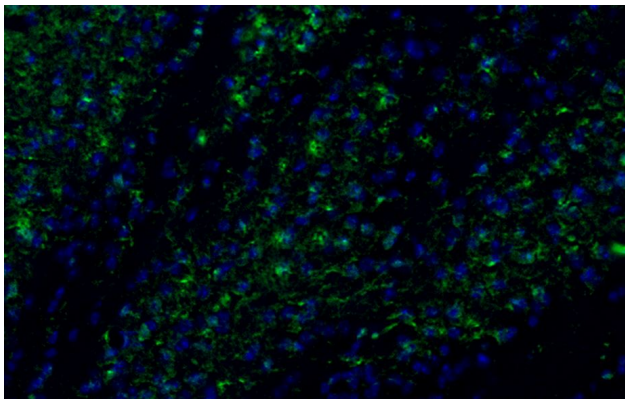
Properties

| | |
|---------------------|---|
| Form | Liquid |
| Purification | Affinity purification with immunogen. |
| Buffer | PBS (pH 7.2) |
| Concentration | 1 mg/ml |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

Bioinformation

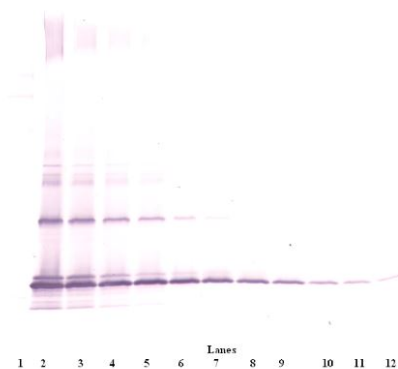
| | |
|----------------|---|
| Database links | GeneID: 20296 Mouse Swiss-port # P10148 Mouse |
| Gene Symbol | Ccl2 |
| Gene Full Name | chemokine (C-C motif) ligand 2 |
| Background | This gene is one of several cytokine genes clustered on chromosome 11. Chemokines are a superfamily of secreted proteins 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. [provided by RefSeq, Sep 2015] |
| Function | Chemotactic factor that attracts monocytes, but not neutrophils. [UniProt] |
| Highlight | Related products: MCP1 antibodies ; MCP1 ELISA Kits ; MCP1 Duos / Panels ; Anti-Rabbit IgG secondary antibodies ; Related news: HMGB1 in inflammation Inflammatory Cytokines |
| Calculated Mw | 11 kDa |
| PTM | Processing at the N-terminus can regulate receptor and target cell selectivity. Deletion of the N-terminal residue converts it from an activator of basophil to an eosinophil chemoattractant. |

Images



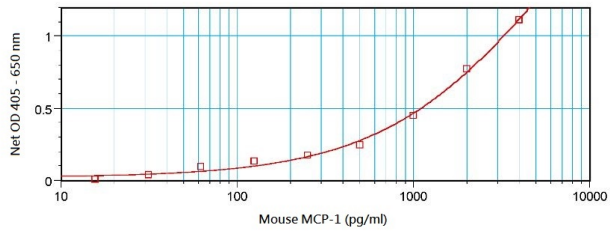
ARG56551 anti-CCL2 / MCP1 antibody IHC image

Immunohistochemistry: This antibody stained colchicine injected Mouse brain (including caudate putamen) tissue. The primary antibody ARG56551 anti-CCL2 / MCP1 antibody was incubated at 1.0 µg/ml overnight at 4°C. This was followed by a peroxidase conjugated secondary antibody and then a fluorescein Tyramide Signal Amplification reagent.



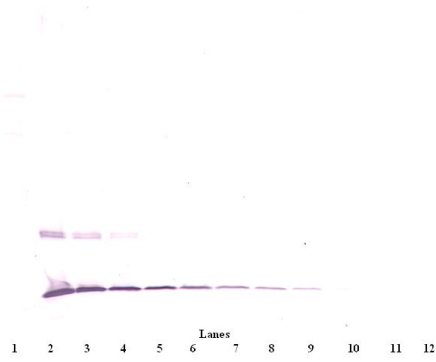
ARG56551 anti-CCL2 / MCP1 antibody WB image

Western blot: 250 - 0.24 ng (left to right) of recombinant Mouse MCP-1 stained with ARG56551 anti-CCL2 / MCP1 antibody. (Under non-reducing conditions)



ARG56551 anti-CCL2 / MCP1 antibody standard curve image

ARG56551 anti-CCL2 / MCP1 antibody results of a typical standard run with optical density reading at 405 - 650 nm.



ARG56551 anti-CCL2 / MCP1 antibody WB image

Western blot: 250 - 0.24 ng (left to right) of recombinant Mouse MCP-1 stained with ARG56551 anti-CCL2 / MCP1 antibody. (Under reducing conditions)