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-P, 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-P	0.5 - 2.0 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.

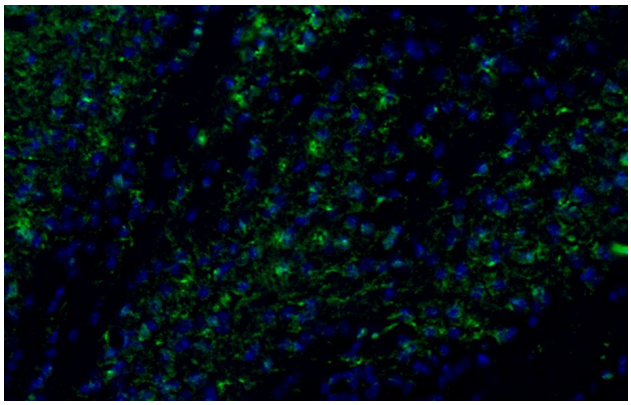
Properties

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

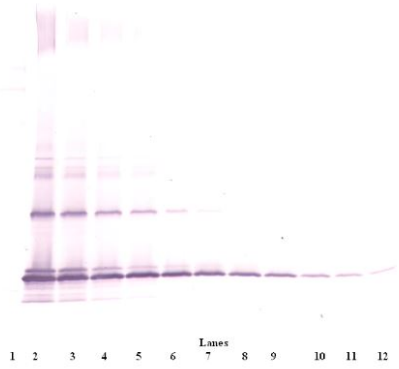
Database links	GeneID: 20296 Mouse Swiss-port # P10148 Mouse
Gene Symbol	Ccl2
Gene Full Name	chemokine (C-C motif) ligand 2
Background	This gene is one of several cytokine genes clustered on chromosome 11. Chemokines are a superfamily of secreted proteins involved in immunoregulatory and inflammatory 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



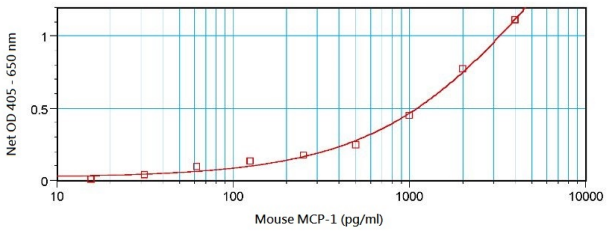
ARG56551 anti-CCL2 / MCP1 antibody IHC image

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.



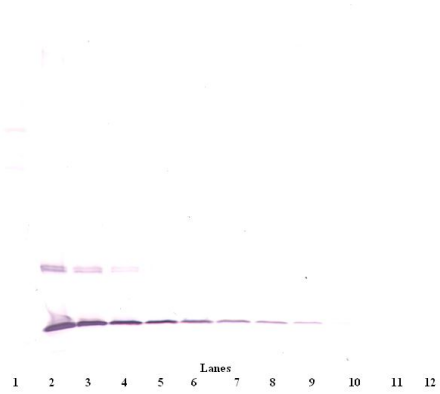
ARG56551 anti-CCL2 / MCP1 antibody WB image

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.



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