10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CCL2 Antibody (CT)

Rabbit Polyclonal Antibody

Catalog # ABV11280

Specification

CCL2 Antibody (CT) - Product Information

Application	**WB, IHC, IF, FC**
Primary Accession	P13500
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**11025**

CCL2 Antibody (CT) - Additional Information

Gene ID 6347

Positive Control	**Western blot: HeLa cell lysate, IHC: human brain tissue, FACS: HeLa cells, IF: HeLa cells**
Application & Usage	**Western blot: ~1:1000, IHC: ~1:10–1:50, IF: ~1:10–1:50, FACS: ~1:10-1:50.**

Other Names
CCL2; MCP1; SCYA2; C-C motif chemokine 2; HC11; Monocyte chemoattractant protein 1; Monocyte chemotactic and activating factor; Monocyte chemotactic protein 1; Monocyte secretory protein JE; Small-inducible cytokine A2

Target/Specificity
CCL2

Antibody Form
Liquid

Appearance
Colorless liquid

Formulation
100 µl of antibody in PBS with 0.09% (W/V) sodium azide

Handling
The antibody solution should be gently mixed before use.

Reconstitution & Storage
-20 °C

Background Descriptions

Precautions

CCL2 Antibody (CT) is for research use only and not for use in diagnostic or therapeutic procedures.

CCL2 Antibody (CT) - Protein Information

Name CCL2

Synonyms MCP1, SCYA2

Function
Acts as a ligand for C-C chemokine receptor CCR2 (PubMed:10529171, PubMed:10587439, PubMed:9837883). Signals through binding and activation of CCR2 and induces a strong chemotactic response and mobilization of intracellular calcium ions (PubMed:10587439, PubMed:9837883). Exhibits a chemotactic activity for monocytes and basophils but not neutrophils or eosinophils (PubMed:8195247, PubMed:8627182, PubMed:9792674). May be involved in the recruitment of monocytes into the arterial wall during the disease process of atherosclerosis (PubMed:8107690).

Cellular Location
Secreted

Tissue Location
Expressed in the seminal plasma, endometrial fluid and follicular fluid (at protein level) (PubMed:23765988). Expressed in monocytes (PubMed:2513477).

CCL2 Antibody (CT) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CCL2 Antibody (CT) - Images

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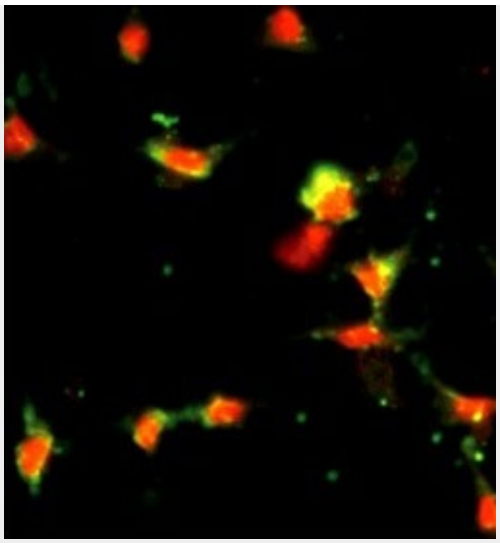
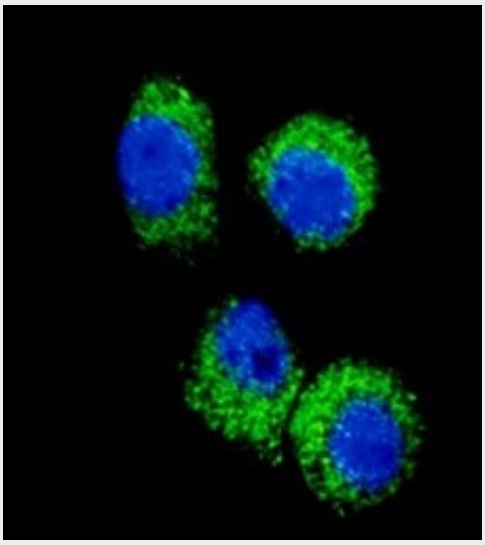
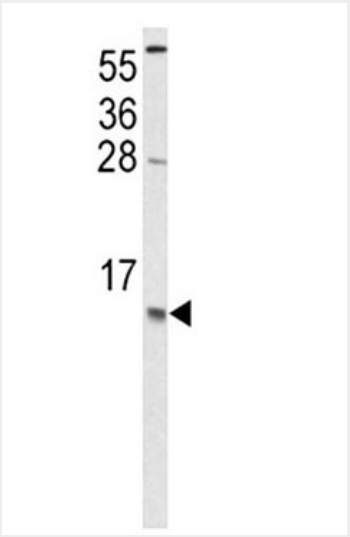


IF analysis of with HeLa cells followed by FITC-conjugated goat anti-rabbit IgG (whole molecule). FITC emits green fluorescence. Red counterstaining is PI.



Confocal IF analysis on HeLa cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



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Western blot analysis with HeLa cell lysates (35 µg/lane).

CCL2 Antibody (CT) - Background

CCL2 is one of several cytokine genes clustered on the q-arm of chromosome 17. It is structurally related to the CXC subfamily of cytokines. Members of this subfamily are characterized by two cysteines separated by a single amino acid. CCL2 displays chemotactic activity for monocytes and basophils but not for neutrophils or eosinophils. It has been implicated in the pathogenesis of diseases characterized by monocytic infiltrates, like psoriasis, rheumatoid arthritis and atherosclerosis. It binds to chemokine receptors CCR2 and CCR4.