

Datasheet: MCA6218GA

Description:	MOUSE ANTI HUMAN CCL2
Specificity:	CCL2
Other names:	MCP-1
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AA07-3B8
Isotype:	IgG1
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			1.0 ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml

Immunogen *E. coli* derived recombinant human CCL2 (Gln24-Thr99)

External Database

Links

UniProt:

[P13500](#) [Related reagents](#)

Entrez Gene:

[6347](#) CCL2 [Related reagents](#)

Synonyms

MCP1, SCYA2

Fusion Partners

Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0

Specificity

Mouse anti Human CCL2 antibody, clone AA07-3B8, recognizes C-C motif chemokine 2, also known as MCP1, HC11, and MCAF. CCL2 is a constitutively expressed chemokine, which is upregulated during the inflammatory response and promotes recruitment of immune cells to specific sites. Many cell types can produce CCL2, including endothelial, epithelial, myeloid, smooth muscle cells and fibroblasts, and CCL2 is able to recruit monocytes, basophils, T lymphocytes and NK cells ([Lim et al. 2016](#)). CCL2 promotes cancer development and metastasis through binding to the cognate receptor CCR2, and CCL2-CCR2 signaling has multiple tumorigenic roles. The tumor microenvironment itself produces CCL2, which facilitates the accumulation of tumor associated macrophages (TAMs), which have immune suppressive and tumor promoting functions ([Yoshimura et al. 2018](#)).

The purified Mouse anti Human CCL2 antibody, clone AA07-3B8 (MCA6218GA) can be used as a capture antibody in a sandwich ELISA with the biotinylated Mouse anti Human CCL2 antibody, clone AA03-4H10 ([MCA6219B](#)) as the detection antibody.

Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10040 available at: 10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...) [HRP](#)

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)

Rabbit Anti Mouse IgG (STAR8...)	DyLight@800
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight@488 , DyLight@680 , DyLight@800 , FITC , HRP
Goat Anti Mouse IgG (STAR70...)	FITC

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

Recommended Useful Reagents

[MOUSE ANTI HUMAN CCL2:Biotin \(MCA6219B\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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