

Datasheet: AAR31

Description:	RABBIT ANTI RAT MCP-1
Specificity:	MCP-1
Other names:	CCL2
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
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
Flow Cytometry			▪	
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA	▪			0.5 - 2.0ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/ml
Functional Assays	▪			4.0 - 6.0ug/ml

Where this antibody 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 antibody for use in their own systems with the appropriate negative/positive controls.

Target Species	Rat
Product Form	Purified IgG - lyophilised
Reconstitution	<p>Reconstitute with 0.1ml distilled water</p> <p>Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution. For long term storage the addition of 0.09% sodium azide is recommended.</p> <p>N.B. For functional studies do not add sodium azide</p>
Antiserum Preparation	Antisera to rat MCP-1 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Approx. Protein	IgG concentration 1.0 mg/ml after reconstitution.

Concentrations

Immunogen Recombinant rat MCP-1 ([PRP17](#))

External Database Links

UniProt:

[P14844](#) [Related reagents](#)

Entrez Gene:

[24770](#) Ccl2 [Related reagents](#)

Synonyms Je, Mcp1, Scya2

Specificity **Rabbit anti Rat MCP-1 antibody** recognizes rat monocyte chemo attractant protein-1 (MCP-1), also known as CCL-2.

Rat MCP-1 is a chemokine of approximately 12 kDa, which plays an important role in the inflammatory response of blood monocytes and tissue macrophages.

References

1. Zhang, H. *et al.* (2016) Dorsal root ganglion infiltration by macrophages contributes to paclitaxel chemotherapy induced peripheral neuropathy. [J Pain. Mar 12. pii: S1526-5900\(16\)00562-9. \[Epub ahead of print\]](#)
 2. Aharon-Hananel, G. *et al.* (2015) Antidiabetic Effect of Interleukin-1 β Antibody Therapy Through β -Cell Protection in the Cohen Diabetes-Sensitive Rat. [Diabetes. 64 \(5\): 1780-5.](#)
 3. Schreiber, R.C. *et al.* (2001) Monocyte chemoattractant protein (MCP)-1 is rapidly expressed by sympathetic ganglion neurons following axonal injury. [Neuroreport. 12 \(3\): 601-6.](#)
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Storage

Prior to reconstitution store at +4°C. Following reconstitution store at -20°C.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life 12 months from date of reconstitution.

Health And Safety Information Material Safety Datasheet documentation #10162 available at: 10162: <https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)

Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),
[DyLight®680](#), [DyLight®800](#)

Recommended Useful Reagents

[TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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