

## Datasheet: PMP35

**BATCH NUMBER 168971**

<b>Description:</b>	RECOMBINANT MOUSE MCP-1
<b>Name:</b>	MCP-1
<b>Other names:</b>	CCL2
<b>Format:</b>	Rec. Protein
<b>Product Type:</b>	Recombinant Protein
<b>Quantity:</b>	10 µg

### 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			0.2 - 0.4ng/well
Western Blotting	▪			1.5 - 3.0ng/lane
Functional Assays	▪			1.0 - 20ng/ml

Where this protein 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 protein for use in their own system using appropriate positive/negative controls.

<b>Target Species</b>	Mouse
<b>Product Form</b>	Purified recombinant protein - lyophilized
<b>Reconstitution</b>	Reconstitute with 0.1ml distilled water 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.
<b>Preparation</b>	Recombinant protein prepared from <i>E. coli</i> .
<b>Source</b>	E.coli
<b>Preservative Stabilisers</b>	None present
<b>Carrier Free</b>	Yes

**Endotoxin Level** < 0.1 ng/ug

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**Approx. Protein Concentrations** 0.1mg/ml after reconstitution

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**External Database Links**

**UniProt:**

[P10148](#)    [Related reagents](#)

**Entrez Gene:**

[20296](#)    Ccl2    [Related reagents](#)

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**Synonyms** Je, Mcp1, Scya2

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**Product Information** **Recombinant mouse MCP-1** is 13.8 kDa peptide corresponding to full-length mature [mouse monocyte chemotactic protein 1](#). MCP-1, otherwise known as CCL2 or JE, is a secreted chemokine involved in the recruitment of monocytes to sites of injury or inflammation ([Lu, B. et al., 1998](#)).

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**Protein Molecular Weight** 13.8kD (125 amino acid sequence)

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**Purity** >98% by SDS PAGE and HPLC analysis

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**ELISA** This product may be used as a standard for ELISA applications with our [purified mouse MCP-1 antibody](#) (AAM43).

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**References** 1. Ren, Z. *et al.* (2019) Minocycline attenuates ethanol-induced cell death and microglial activation in the developing spinal cord. [Alcohol. 79: 25-35.](#)

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**Storage** Prior to reconstitution store at -20°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 protein. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee** Guaranteed for 3 months from the date of reconstitution or until the date of expiry, whichever comes first. Please see label for expiry date.

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**Health And Safety Information** Material Safety Datasheet documentation #10268 available at: <https://www.bio-rad-antibodies.com/SDS/PMP35>  
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**Regulatory** For research purposes only

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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](https://bio-rad-antibodies.com/datasheets)

'M420148:230706'

**Printed on 18 Nov 2024**

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