

## Datasheet: PMP35

**BATCH NUMBER 173287**

<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

<b>Endotoxin Level</b>	< 0.1 ng/ug
<b>Approx. Protein Concentrations</b>	0.1mg/ml after reconstitution
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P10148</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">20296</a>    Ccl2    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	Je, Mcp1, Scya2
<b>Product Information</b>	<b>Recombinant mouse MCP-1</b> is 13.8 kDa peptide corresponding to full-length mature <a href="#">mouse monocyte chemotactic protein 1</a> . MCP-1, otherwise known as CCL2 or JE, is a secreted chemokine involved in the recruitment of monocytes to sites of injury or inflammation ( <a href="#">Lu, B. et al., 1998</a> ).
<b>Protein Molecular Weight</b>	13.8kD (125 amino acid sequence)
<b>Purity</b>	>98% by SDS PAGE and HPLC analysis
<b>ELISA</b>	This product may be used as a standard for ELISA applications with our <a href="#">purified mouse MCP-1 antibody</a> (AAM43).
<b>References</b>	1. Ren, Z. <i>et al.</i> (2019) Minocycline attenuates ethanol-induced cell death and microglial activation in the developing spinal cord. <a href="#">Alcohol. 79: 25-35.</a>
<b>Storage</b>	<p>Prior to reconstitution store at -20°C. Following reconstitution store at -20°C.</p> <p>This product should be stored undiluted</p> <p>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.</p>
<b>Guarantee</b>	Guaranteed for 3 months from the date of reconstitution or until the date of expiry, whichever comes first. Please see label for expiry date.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10268 available at: <a href="https://www.bio-rad-antibodies.com/SDS/PMP35">https://www.bio-rad-antibodies.com/SDS/PMP35</a>
<b>Regulatory</b>	For research purposes only

**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://www.bio-rad-antibodies.com/technical-support)

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

