

Datasheet: PMP35

BATCH NUMBER 159704

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| Description: | RECOMBINANT MOUSE MCP-1 |
| Name: | MCP-1 |
| Other names: | CCL2 |
| Format: | Rec. Protein |
| Product Type: | Recombinant Protein |
| Quantity: | 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.

| | 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.

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| Target Species | Mouse |
| Product Form | Purified recombinant protein - lyophilised |
| Reconstitution | 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. |
| Preparation | Recombinant protein prepared from <i>E. coli</i> . |
| Preservative Stabilisers | None present |
| Carrier Free | Yes |
| Endotoxin Level | < 0.1 ng/ug |

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| Approx. Protein Concentrations | 0.1mg/ml after reconstitution |
| External Database Links | <p>UniProt: P10148 Related reagents</p> <p>Entrez Gene: 20296 Ccl2 Related reagents</p> |
| Synonyms | Je, Mcp1, Scya2 |
| 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). |
| Protein Molecular Weight | 13.8kD (125 amino acid sequence) |
| Purity | >98% by SDS PAGE and HPLC analysis |
| ELISA | This product may be used as a standard for ELISA applications with our purified mouse MCP-1 antibody (AAM43). |
| References | 1. Ren, Z. <i>et al.</i> (2019) Minocycline attenuates ethanol-induced cell death and microglial activation in the developing spinal cord. Alcohol. 79: 25-35. |
| Storage | <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> |
| 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. |
| Health And Safety Information | Material Safety Datasheet documentation #10268 available at: https://www.bio-rad-antibodies.com/SDS/PMP35 10268 |
| Regulatory | For research purposes only |

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|----------------------------------|---|------------------|---|---------------|---|
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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
'M362395:200501'

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