Datasheet: PMP35

BATCH NUMBER 156424

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.

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 *E. coli*.
Preservative Stabilisers	None present
Carrier Free	Yes
Endotoxin Level	< 0.1 ng/ug

Approx. Protein Concentrations	0.1mg/ml after reconstitution
External Database Links	**UniProt:** P10148 Related reagents **Entrez Gene:** 20296 Ccl2 Related reagents
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. *et al.* (2019) Minocycline attenuates ethanol-induced cell death and microglial activation in the developing spinal cord. Alcohol. 79: 25-35.
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.
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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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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