

Datasheet: PHP061

BATCH NUMBER 156689

Description:	RECOMBINANT HUMAN MCP-1/MCAF
Name:	MCP-1
Other names:	CCL2
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	20 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	▪			10ng/ml - 100ng/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	Human
Product Form	Purified recombinant protein - lyophilized
Reconstitution	Reconstitute with 0.2 ml 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 expressed in <i>E.coli</i>
Preservative Stabilisers	None present.
Carrier Free	Yes
Endotoxin Level	< 0.1 ng/ug

Approx. Protein Concentrations	0.1 mg/ml after reconstitution.
External Database Links	<p>UniProt: P13500 Related reagents</p> <p>Entrez Gene: 6347 CCL2 Related reagents</p>
Synonyms	MCP1, SCYA2
Product Information	<p>Recombinant human MCP-1/MCAF also known as C-C motif chemokine 2, Monocyte chemoattractant protein 1, Monocyte chemoattractant protein 1, HC11 or Small-inducible cytokine A2 is encoded by the CCL2 gene. Recombinant MCP-1 is a 76 amino acid ~13kDa chemokine involved in chemotaxis and polarization of the immune response.</p> <p>Recombinant human MCP-1/MCAF has been employed successfully as a control antigen in the development of a sensitive ELISA employing Mouse anti Human MCP-1 antibody clone 2.2-4A4-1A11 as a capture reagent and biotinylated Rabbit anti Human MCP-1 polyclonal antibody (AHP784B) as a detection reagent.</p>
Protein Molecular Weight	8.6kD (76 Amino acid sequence)
Purity	>98% by SDS PAGE and HPLC analysis
ELISA	This product may be used as a standard for ELISA applications with AHP784 , AHP784B or MCA2486 .
Western Blotting	This product may be used as the positive control for Western Blotting applications with AHP784 , AHP784B or MCA2486 .
Storage	<p>Prior to reconstitution store at -20°C. Following reconstitution store at -20°C.</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/PHP061 10268
Regulatory	For research purposes only

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com	To find a
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batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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