

Datasheet: PHP061

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 - lyophilised
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.
Endotoxin Level	<0.1ng/ug
Approx. Protein Concentrations	0.1 mg/ml after reconstitution.
External Database Links	UniProt: P13500 Related reagents Entrez Gene: 6347 CCL2 Related reagents

Synonyms	MCP1, SCYA2
Product Information	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. 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.
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	Prior to reconstitution store at +4°C. Following reconstitution store at -20°C. 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.
Shelf Life	3 months from date of reconstitution.
Health And Safety Information	Material Safety Datasheet documentation #10277 available at: 10277: https://www.bio-rad-antibodies.com/uploads/MSDS/10277.pdf
Regulatory	For research purposes only

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