

Datasheet: PHP297

Description:	RECOMBINANT HUMAN CCL8
Name:	CCL8
Other names:	MCP-2
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	▪			

Where this product 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 product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified recombinant protein - lyophilized
Reconstitution	Centrifuge vial prior to reconstitution. Reconstitute to 100 µg/ml by adding 100 µl ddH ₂ O. 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. Do not vortex.
Preparation	Recombinant protein expressed in <i>E. coli</i> and purified by ion exchange chromatography
Buffer Solution	50 mM Tris-HCl, 0.15 M Sodium Chloride
Preservative Stabilisers	1.0% Trehalose
Approx. Protein Concentrations	100 µg/ml after reconstitution

**External Database
Links**

UniProt:

[P80075](#) [Related reagents](#)

Entrez Gene:

[6355](#) CCL8 [Related reagents](#)

Synonyms MCP2, SCYA10, SCYA8

Product Information **Recombinant Human CCL8**

C-C motif chemokine-8 (CCL8) is also known as HC14, monocyte chemoattractant protein 2, monocytes chemotactic protein 2 and small-inducible cytokine A8. CCL8 is a member of the C-C chemokine subfamily and is an agonist for C-C chemokine receptor type 2 and CCR5 ([Ge et al. 2017](#)). Through these receptors, CCL8 is involved in the immune response by attracting monocytes, T-lymphocytes, natural killer cells, basophils, mast cells and eosinophils ([Farmaki et al. 2020](#)). Proteolytic cleavage of CCL8 to CCL8 (6-76) converts the chemokine into a potent inhibitor of C-C chemokine-induced chemotaxis ([Proost et al. 1998](#)).

This recombinant Human CCL8 can be used to create a standard curve in a sandwich ELISA with purified Mouse anti Human CCL8 antibody, clone E07-8G5 ([MCA6266GA](#)) as a capture antibody and biotinylated Mouse anti Human CCL8 antibody, clone E09-8A1 ([MCA6267B](#)) as the detection antibody.

**Protein Molecular
Weight** 8.9 kDa

Purity ≥90% determined by coomassie blue staining of a reducing SDS-PAGE gel

Amino Acid Sequence MQPDSVSIPI TCCFNVINRK IPIQRLESYT RITNIQCPKE AVIFKTKRGK EVCADPKERW
VRDSMKHLDQ IFQNLKP

Storage Prior to reconstitution store at -70°C. Following reconstitution store at -80°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 #20394 available at:
20394: <https://www.bio-rad-antibodies.com/uploads/MSDS/20394.pdf>

Regulatory For research purposes only

Related Products

Recommended Useful Reagents

[MOUSE ANTI HUMAN CCL8 \(MCA6266GA\)](#)

[MOUSE ANTI HUMAN CCL8:Biotin \(MCA6267B\)](#)

ELISA Matched Pair - Capture Antibody

[MOUSE ANTI HUMAN CCL8 \(MCA6266GA\)](#)

ELISA Matched Pair - Detection Antibody

[MOUSE ANTI HUMAN CCL8:Biotin \(MCA6267B\)](#)

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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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