

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 |
| Source | E.coli |
| 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:
<https://www.bio-rad-antibodies.com/SDS/PHP297>
20394

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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
'M433632:241118'

Printed on 27 Jan 2025

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