

Datasheet: PHP296

BATCH NUMBER 100005638

| | |
|----------------------|-------------------------|
| Description: | RECOMBINANT HUMAN CCL24 |
| Name: | CCL24 |
| Other names: | Eotaxin-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, pH 8.0, 0.15 M Sodium Chloride |
| Preservative Stabilisers | 1.0% Trehalose |
| Approx. Protein Concentrations | 100 µg/ml after reconstitution |

**External Database
Links**

UniProt:

[O00175](#) [Related reagents](#)

Entrez Gene:

[6369](#) CCL24 [Related reagents](#)

Synonyms

MPIF2, SCYA24

Product Information

Recombinant Human CCL24

CCL24 is also known as C-C motif chemokine 24, Eotaxin-2, CK-beta-6, and MPIF-2. CCL24 is a chemokine which is induced in macrophages and promotes recruitment and activation of immune cells including eosinophils, basophils, and Th2 cells by interacting with the CCR3 receptor. Therefore, CCL24 expression increases during inflammatory disease and allergic reaction, and CCL24 has been shown to perpetuate allergic reaction ([Cho et al. 2016](#)). CCL24 is involved with proinflammatory and profibrotic reactions, particularly fibrosis of the skin and lungs ([Mor et al. 2019](#)). Furthermore, CCL24 plays a role in intrahepatic fibrosis and liver damage ([Segal-Salto et al. 2020](#)). Elevated CCL24 has been associated with primary colorectal and liver metastatic tumors ([Cheng et al. 2017](#)).

This recombinant Human CCL24 can be used to create a standard curve in a sandwich ELISA with purified Mouse anti Human CCL24 antibody, clone C05-2B5 ([MCA6182GA](#)) as a capture antibody and biotinylated Mouse anti Human CCL24 antibody, clone B01-5E2 ([MCA6183B](#)) as the detection antibody.

**Protein Molecular
Weight**

10.5 kDa

Purity

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

Amino Acid Sequence

VVIPSPCCMF FVSKRIPENR VVS YQLSSRS TCLKAGVIFT TTKGQQFCGD
PKQEWVQRYM KNLDAKQKKA SPRARAVAVK GPVQRYPGNQ TTC

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>

Related Products

Recommended Useful Reagents

[MOUSE ANTI HUMAN CCL24 \(MCA6182GA\)](#)

[MOUSE ANTI HUMAN CCL24:Biotin \(MCA6183B\)](#)

ELISA Matched Pair - Capture Antibody

[MOUSE ANTI HUMAN CCL24 \(MCA6182GA\)](#)

ELISA Matched Pair - Detection Antibody

[MOUSE ANTI HUMAN CCL24:Biotin \(MCA6183B\)](#)

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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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