

## Datasheet: MCA6220GA

|                      |                       |
|----------------------|-----------------------|
| <b>Description:</b>  | MOUSE ANTI HUMAN CCL3 |
| <b>Specificity:</b>  | CCL3                  |
| <b>Other names:</b>  | MIP-1a                |
| <b>Format:</b>       | Purified              |
| <b>Product Type:</b> | Monoclonal Antibody   |
| <b>Clone:</b>        | H03-5C10              |
| <b>Isotype:</b>      | IgG1                  |
| <b>Quantity:</b>     | 0.1 mg                |

## 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](http://www.bio-rad-antibodies.com/protocols).

|       | Yes | No | Not Determined | Suggested Dilution |
|-------|-----|----|----------------|--------------------|
| ELISA | ▪   |    |                | 1.0 ug/ml          |

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.

|                                       |   |
|---------------------------------------|---|
| <b>Target Species</b>                 | Human   |
| <b>Product Form</b>                   | Purified IgG - liquid   |
| <b>Preparation</b>                    | Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant |
| <b>Buffer Solution</b>                | Phosphate buffered saline   |
| <b>Preservative Stabilisers</b>       | 0.09% Sodium Azide (NaN <sub>3</sub> )  |
| <b>Carrier Free</b>                   | Yes   |
| <b>Approx. Protein Concentrations</b> | IgG concentration 1.0 mg/ml   |

|                                      |  |
|--------------------------------------|--|
| <b>Immunogen</b>                     | <i>E. coli</i> derived recombinant human full length CCL3 (Ala27-Ala92)  |
| <b>External Database Links</b>       | <p><b>UniProt:</b><br/> <a href="#">P10147</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b><br/> <a href="#">6348</a>    CCL3    <a href="#">Related reagents</a></p>  |
| <b>Synonyms</b>                      | G0S19-1, MIP1A, SCYA3  |
| <b>Fusion Partners</b>               | Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0  |
| <b>Specificity</b>                   | <p><b>Mouse anti Human CCL3 antibody, clone H03-5C10</b>, recognizes C-C motif chemokine 3 (CCL3) also known as G0/G1 switch regulatory protein 19-1 and Macrophage inflammatory protein 1 alpha (MIP1<math>\alpha</math>). CCL3 is an inflammatory cytokine with the ability to activate chemotactic mobilization of monocyte and lymphocyte cells. It also plays a role in regulating the proliferation of hematopoietic stem/progenitor cells (<a href="#">Baba &amp; Mukaida 2014</a>). The receptors of CCL3 are the G-protein coupled receptors CCR1, CCR5 and the D6 receptor in humans. Signaling via CCR1 and CCR5, CCL3 is able to stimulate lymphocyte recruitment to sites of infection, as well as CD8+ T cells to active lymph nodes (<a href="#">Staversky et al. 2018</a>).</p> <p>Expression levels of CCL3 have been reported to increase in patients with colorectal cancer, independently of tumor stage. This has been shown to be concurrent with the upregulated expression of CCR1 and CCR5 (<a href="#">López et al. 2018</a>). CCL3 has also been implicated in various pathologies related to microenvironmental dysfunction, including myelodysplastic syndrome, metastatic disease of renal cell carcinoma and B cell lymphomas (<a href="#">Staversky et al. 2018</a>).</p> <p>The purified Mouse anti Human CCL3 antibody, clone H03-5C10 (MCA6220GA) can be used as a capture antibody in a sandwich ELISA with the biotinylated Mouse anti Human CCL3 antibody, clone F01.1-3E5 (<a href="#">MCA6221B</a>) as the detection antibody.</p> |
| <b>Storage</b>                       | <p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>  |
| <b>Guarantee</b>                     | 12 months from date of despatch  |
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10040 available at: 10040: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>  |
| <b>Regulatory</b>                    | For research purposes only   |

## Related Products

### Recommended Secondary Antibodies

|   |  |
|---|--|
| Goat Anti Mouse IgG (STAR77...)         | <a href="#">HRP</a>  |
| Rabbit Anti Mouse IgG (STAR12...)       | <a href="#">RPE</a>  |
| Rabbit Anti Mouse IgG (STAR8...)        | <a href="#">DyLight@800</a>  |
| Goat Anti Mouse IgG (STAR76...)         | <a href="#">RPE</a>  |
| Rabbit Anti Mouse IgG (STAR9...)        | <a href="#">FITC</a>   |
| Goat Anti Mouse IgG (Fc) (STAR120...)   | <a href="#">FITC</a> , <a href="#">HRP</a>   |
| Goat Anti Mouse IgG IgA IgM (STAR87...) | <a href="#">Alk. Phos.</a> , <a href="#">HRP</a>   |
| Rabbit Anti Mouse IgG (STAR13...)       | <a href="#">HRP</a>  |
| Goat Anti Mouse IgG (H/L) (STAR117...)  | <a href="#">Alk. Phos.</a> , <a href="#">DyLight@488</a> , <a href="#">DyLight@680</a> ,<br><a href="#">DyLight@800</a> , <a href="#">FITC</a> , <a href="#">HRP</a> |
| Goat Anti Mouse IgG (STAR70...)         | <a href="#">FITC</a>   |

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

### Recommended Useful Reagents

[MOUSE ANTI HUMAN CCL3:Biotin \(MCA6221B\)](#)

|                                  |   |                  |   |               |   |
|----------------------------------|---|------------------|---|---------------|---|
| <b>North &amp; South America</b> | Tel: +1 800 265 7376<br>Fax: +1 919 878 3751<br>Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a> | <b>Worldwide</b> | Tel: +44 (0)1865 852 700<br>Fax: +44 (0)1865 852 739<br>Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a> | <b>Europe</b> | Tel: +49 (0) 89 8090 95 21<br>Fax: +49 (0) 89 8090 95 50<br>Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a> |
|----------------------------------|---|------------------|---|---------------|---|

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)  
'M384101:210513'

Printed on 07 Feb 2023