



**ANOGEN** - A Division of YES Biotech Laboratories Ltd.

2355 Derry Road East, Unit 23, Mississauga, ON L5S 1V6 • Tel: (905) 677-9221 • Fax: (905) 677-0023

**Mouse anti-Human MCP-1 Monoclonal Antibody [S101] Datasheet (Tracer: HRP-Conjugated)**

|                         |  |
|-------------------------|--|
| <b>Catalogue No</b>     | MO-C40021T   |
| <b>Product name</b>     | HRP-Conjugated Mouse anti-Human MCP-1 Monoclonal Antibody (Tracer)   |
| <b>Clone No</b>         | S101   |
| <b>Product type</b>     | Matched Antibody Pair Tracer Antibody  |
| <b>Description</b>      | Mouse monoclonal antibody to Human Monocyte Chemotactic Protein-1 (MCP-1)/Monocyte Chemotactic Activating Factor (MCAF), Protein G affinity purified and conjugated with Horseradish Peroxidase (HRP).   |
| <b>Target protein</b>   | Human MCP-1  |
| <b>Immunogen</b>        | Purified recombinant human MCP-1   |
| <b>Specificity</b>      | This monoclonal antibody reacts with natural and recombinant human MCP-1   |
| <b>Reactivity</b>       | Human, others not tested   |
| <b>Cross-reactivity</b> | Does not react with human interleukin-8 (IL-8) and other human cytokines tested such as interleukin-1 $\beta$ (IL-1 $\beta$ ), serum amyloid A (SAA) and epidermal growth factor (EGF)   |
| <b>Clonality</b>        | Monoclonal   |
| <b>Source</b>           | Mouse  |
| <b>Myeloma</b>          | Sp2/0-Ag14   |
| <b>Subclass</b>         | IgG1   |
| <b>Light Chain</b>      | Kappa  |
| <b>Formulation</b>      | Liquid. Buffer: in 0.01M PBS, pH 7.0 $\pm$ 0.1 in 50% glycerol and 0.01% thimerosal as a bacteriostat  |
| <b>Applications</b>     | <b>ELISA:</b> This HRP-conjugated monoclonal antibody can be used as a tracer/detection antibody in sandwich ELISA applications for human MCP-1 detection in combination with a capture antibody (Cat. No.: MO-C40021B). Suggested Capture Coating Dose: $\sim$ 0.3 $\mu$ g/ml; Substrate: TMB. If the above suggested conditions are followed approximately 1.5 pg/mL of MCP-1 in serum/plasma or 4 pg/mL of MCP-1 in medium can be detected with an assay range of 0-1600 pg/mL. |
| <b>Research</b>         | Immunology, cytokine, and chemotaxis   |
| <b>Storage</b>          | Store at -20 $^{\circ}$ C  |
| <b>References</b>       | If research is published using this product, please inform Anogen in order to cite the reference on this datasheet. Anogen will provide any product of choice as gratitude.  |

**This product is for LABORATORY RESEARCH USE and further manufacture only, and can not be administration to humans and animals for use in diagnostic and therapeutic procedures.**

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