

Monoclonal Anti-Guinea Pig Monocyte Chemoattractant Protein-1, Clone GP6.6H5.6B (produced *in vitro*)

Catalog No. NR-49551

For research use only. Not for human use.

Contributor and Manufacturer:

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Manufacturing Date:

April 26, 2013

Product Description:

Antibody Class: IgG1k

Mouse monoclonal antibody prepared against recombinant monocyte chemoattractant protein (MCP-1) of guinea pig was purified from clone GP6.6H5.6B murine hybridoma supernatant by affinity chromatography. The recombinant MCP-1 protein was expressed in *Escherichia coli* (BEI Resources NR-36035).¹ The B cell hybridoma was generated by the fusion of NS0 myeloma cells with immunized mouse splenocytes.¹ MCP-1 is a chemokine regulating monocyte chemotaxis and T-lymphocyte differentiation by binding to the CC chemokine receptor 2 (CCR2) and plays a crucial role in the pathogenesis of inflammatory diseases, atherosclerosis and cancer.²

Material Provided:

Each vial contains approximately 100 µg of purified monoclonal antibody as either 100 µL at a concentration of 1 mg per mL or 333 µL at a concentration of 0.3 mg per mL in 10 mM PBS (pH 7.4).

Packaging/Storage:

NR-49551 was packaged aseptically in screw-capped plastic cryovials and is provided frozen on dry ice. The item should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

Functional Activity:

NR-49551 is reactive in ELISA and western blot analyses.¹

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-Guinea Pig Monocyte Chemoattractant Protein-1, Clone GP6.6H5.6B (produced *in vitro*), NR-49551."

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following

publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories. 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

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References:

1. Mukherjee, J., Personal Communication.
2. Bianconi, V., et al. "The Regulation and Importance of Monocyte Chemoattractant Protein-1." Curr. Opin. Hematol. 25 (2018): 44-51. PubMed: 28914666.

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