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. Freezethaw 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

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References:
1. Mukherjee, J., Personal Communication.

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