Monoclonal Anti-Guinea Pig Interleukin-10 Protein, Clone GP7.7F2.3B (produced in vitro)

Catalog No. NR-49554

For research use only. Not for human use.

Contributor and Manufacturer:
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Manufacturing Date:
July 2, 2013

Product Description:
Antibody Class: IgG1k
Mouse monoclonal antibody prepared against a recombinant form of the interleukin-10 (IL-10) protein of guinea pig was purified from clone GP7.7F2.3B murine hybridoma supernatant by affinity chromatography. The recombinant IL-10 protein was expressed in Escherichia coli (BEI Resources NR-36040). The B cell hybridoma was generated by the fusion of NS0 myeloma cells with immunized mouse splenocytes. IL-10 is the founding member of the IL-10 cytokine family. IL-10 is a unique class 2 cytokine that potently inhibits the production of pro-inflammatory cytokines such as IFNγ, tumor necrosis factor α (TNFα), IL-1β, and IL-6 in several cell types and prevents dendritic cell maturation, in addition to having several other roles in immune cell function, growth and differentiation.

Material Provided:
Each vial contains approximately 100 µL of purified monoclonal antibody in 10 mM PBS (pH 7.4) at a concentration of 1 mg per mL.

Packaging/Storage:
NR-49554 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-49554 is reactive in ELISA and western blot analyses.

Citation:
Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-Guinea Pig Interleukin-10 Protein, Clone GP7.7F2.3B (produced in vitro), NR-49554.”

Biosafety Level: 1

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

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