Monoclonal Anti-Wolbachia Surface Protein (Immunoglobulin G, Mouse)

Catalog No. NR-51684

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For research use only. Not for human use.

Contributor:
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Manufacturer:
Lampire Biological Laboratories, Pipersville, Pennsylvania, USA

Product Description:
Antibody Class: IgG2a
Mouse monoclonal antibody recognizing the Wolbachia surface protein (WSP) wBm0432 (GenPept: WP_011256630) was purified from mouse ascites fluid by protein A affinity chromatography. Ascites formation was induced in mice using cultured hybridoma cells. Wolbachia are rickettsia-like endosymbionts found in filarial nematodes, including the etiologic agents of lymphatic filariasis and river blindness.1 Wolbachia are obligatory symbionts in these hosts, required by the nematode for reproduction, development and long-term survival.2 These bacteria are of interest as chemotherapeutic targets and disease-causing organisms.

Material Provided:
Each vial of NR-51684 contains approximately 100 µL of purified monoclonal antibody in 2 M Tris buffer, pH 7.5. The concentration, expressed as mg per mL, is shown on the Certificate of Analysis.

Packaging/Storage:
NR-51684 was packaged aseptically in screw-capped plastic vials and is provided frozen on dry ice. The product should be stored at -20° C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

Functional Activity:
NR-51684 has been reported to recognize WSP in an immunohistochemistry assay.3 Users may wish to determine an optimal concentration of antibody for their applications.

Citation:
Acknowledgment for publications should read “The following reagent was provided by the NIH/NIAID Filariasis Research Reagent Resource Center for distribution by BEI Resources, NIAID, NIH: Monoclonal Anti-Wolbachia Surface Protein (Immunoglobulin G, Mouse), NR-51684.”

Biosafety Level: 1


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References:
4. Moss, D. M., et al. “Multiplex Bead Assay for Serum Samples from Children in Haiti Enrolled in a Drug Study...
Product Information Sheet for NR-51684


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