Monoclonal Anti-West Nile Virus Envelope Protein, Clone E24 (produced in vitro)

Catalog No. NR-10136

For research use only. Not for human use.

Contributor:
Michael S. Diamond, M.D., Ph.D., Departments of Medicine, Molecular Microbiology, Pathology and Immunology, Washington University School of Medicine, Saint Louis, Missouri

Manufacturer:
NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH

Product Description:
Antibody Class: IgG2α
Mouse monoclonal antibody prepared against the envelope glycoprotein of West Nile virus (WNV) was purified from clone E24 hybridoma supernatant by protein G affinity chromatography. The B cell hybridoma was generated by the fusion of P3X63.Ag8.53 BALB/c mouse myeloma cells with immunized mouse splenocytes. The clone E24 antibody is reported to bind to the lateral ridge of domain III in the envelope glycoprotein.1,2

Material Provided:
Each vial of NR-10136 contains approximately 100 µL of purified monoclonal antibody in PBS. The concentration, expressed as mg per mL, is shown on the Certificate of Analysis.

Packaging/Storage:
NR-10136 was packaged aseptically in screw-capped plastic cryovials and is provided frozen on dry ice. NR-10136 should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

Functional Activity:
NR-10136 is reactive in immunofluorescence assays using Vero cells infected with WNV and by ELISA using WNV-infected cell lysates [WNV, Eg101 (Egypt 1951); BEI Resources NR-676]. The antibody is reported to be strongly neutralizing1 and reactive using flow cytometry and Western blot analysis.3

Biosafety Level: 1

Citation:
Acknowledgment for publications should read “The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Monoclonal Anti-West Nile Virus Envelope Protein, Clone E24 (produced in vitro), NR-10136.”

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References:

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