**Monoclonal Anti-West Nile Virus Envelope Protein, Clone E58 (produced in vitro)**

**Catalog No. NR-10138**

For research use only. Not for human use.

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

**Product Description:**

Antibody Class: IgG2aκ

Mouse monoclonal antibody prepared against the envelope glycoprotein of West Nile virus (WNV) was purified from clone E58 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 E58 antibody is reported to bind to domain III in the envelope glycoprotein.

**Material Provided:**

Each vial of NR-10138 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-10138 was packaged aseptically in screw-capped plastic cryovials and is provided frozen on dry ice. NR-10138 should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

**Functional Activity:**

NR-10138 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 neutralizing and reactive using flow cytometry and Western blot analysis.

**Biosafety Level:**

1


**Citation:**

Acknowledgment for publications should read “The following reagent was obtained through the NIH Biodefense and Emerging Infectious Research Resources Repository, NIAID, NIH: Monoclonal Anti-West Nile Virus Envelope Protein, Clone E58 (produced in vitro), NR-10138.”

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**References:**


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