Monoclonal Anti-Rift Valley Fever Virus Gn Glycoprotein, Clone 4-39-CC
(produced in vitro)

Catalog No. NR-43195
This reagent is the property of the U.S. Government.

For research use only. Not for human use.

Manufacturer:
BEI Resources

Product Description:
Antibody Class: IgG2b
Mouse monoclonal antibody prepared against the Rift Valley fever virus (RVFV) Gn glycoprotein was purified from clone 4-39-CC hybridoma supernatant by protein G affinity chromatography. The B cell hybridoma was generated by the fusion of Sp2/0-Ag14 mouse myeloma cells with splenocytes from immunized BALB/c mice. 1 The epitope recognized by the 4-39-CC antibody is reported to map to amino acids 127-146 of the mature Gn (formerly G2) glycoprotein. 2

This reagent is part of the Joel M. Dalrymple – Clarence J. Peters USAMRIID Antibody Collection.

Material Provided:
Each vial of NR-43195 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-43195 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-43195 is reactive in indirect immunofluorescence assays using Vero E6 cells infected with RVFV, and neutralizes RVFV in plaque reduction neutralization tests. See Certificate of Analysis for details. The antibody is also reported to function in ELISA 1 as well as radioimmunoprecipitation assays. 2

Citation:
Acknowledgment for publications should read “The following reagent was obtained from the Joel M. Dalrymple – Clarence J. Peters USAMRIID Antibody Collection through BEI Resources, NIAID, NIH: Monoclonal Anti-Rift Valley Fever Virus Gn Glycoprotein, Clone 4-39-CC (produced in vitro), NR-43195.”

Biosafety Level: 1

Disclaimers:
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References:

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