Monoclonal Anti-Venezuelan Equine Encephalitis Virus, PTF-39 (Subtype IB) E2 Glycoprotein Antibody, Clone 1A3B-7

Catalog No. NR-51619
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For research use only. Not for human use.

Contributor:
National Institute of Allergy and Infectious Diseases, National Institutes of Health, Maryland, USA

Product Description:
Antibody Class: IgG2ax
Mouse monoclonal antibody prepared against the E2 glycoprotein of Venezuelan equine encephalitis (VEE) virus, PTF-39 (subtype IB) was purified from clone 1A3B-7 hybridoma supernatant by protein A-Sepharose chromatography. The cell hybridoma was generated by the fusion of Sp2/0-Ag14 myeloma cells with mouse splenocytes immunized with purified, inactivated VEE virus, strain PTF-39.1 The clone 1A3B-7 antibody is reported to be specific for VEE E2 glycoprotein and has protective effects in a murine model against aerosol exposure to VEE virus from serotype I, II and III.1,2

Material Provided:
Each vial of NR-51619 contains approximately 100 µL of purified monoclonal antibody in Dulbecco’s phosphate buffered saline (D-PBS). The concentration, expressed as mg per mL, is shown on the Certificate of Analysis.

Packaging/Storage:
NR-51619 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-51619 is neutralizing and was shown to be reactive in ELISA and hemagglutination assays.1

Citation:
Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-Venezuelan Equine Encephalitis Virus, PTF-39 (Subtype IB) E2 Glycoprotein Antibody, Clone 1A3B-7, NR-51619.”

Biosafety Level: 1
Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories, 5th ed.


Disclaimers:
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References:

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