

Monoclonal Anti-Venezuelan Equine Encephalitis Virus, V3526 (Subtype IA) E3 Glycoprotein Antibody, Clone 13D-4

Catalog No. NR-51616

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Contributor:

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

Product Description:

Antibody Class: IgG2ak

Mouse monoclonal antibody prepared against the E3 glycoprotein of Venezuelan equine encephalitis (VEE) virus deletion mutant, V3526 (subtype IA) was purified from clone 13D-4 hybridoma supernatant by affinity chromatography. The B cell hybridoma was generated by the fusion of Sp2/0-Ag14 myeloma cells with mouse splenocytes immunized with VEE virus, strain V3526. The clone 13D-4 antibody is reported to be specific for VEE virus subtype I E3 glycoprotein and neutralized VEE virus, strain V3526 infectivity *in vitro*.¹

Material Provided:

Each vial of NR-51616 contains approximately 100 µL of purified monoclonal antibody in phosphate buffered saline (PBS). The concentration, expressed as mg per mL, is shown on the Certificate of Analysis.

Packaging/Storage:

NR-51616 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-51616 was shown to be reactive in ELISA, Western immunoblotting and immunofluorescence and neutralization assays.¹

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-Venezuelan Equine Encephalitis Virus, V3526 (Subtype IA) E3 Glycoprotein Antibody, Clone 13D-4, NR-51616."

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.

Washington, DC: U.S. Government Printing Office, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

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References:

1. Parker, M. D., et al. "Antibody to the E3 Glycoprotein Protects Mice against Lethal Venezuelan Equine Encephalitis Virus Infection." *J. Virol.* 84 (2010): 12683-12690. PubMed: 20926570.

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