Monoclonal Anti-Zaire Ebolavirus Envelope Glycoprotein, Clone 6E9D2 (produced in vitro)

Catalog No. NR-49264
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For research use only. Not for human use.

Contributor and Manufacturer:
Gerardo Kaplan, Ph.D., Senior Investigator, Center for Biologics Evaluation and Research, Food and Drug Administration, Bethesda, Maryland, USA

Product Description:  
**Antibody Class:** IgG1κ  
Mouse monoclonal antibody prepared against the envelope glycoprotein (GP) of Zaire ebolavirus (EBOV) was purified from clone 6E9D2 hybridoma supernatant by protein G affinity chromatography. The B cell hybridoma was generated by the fusion of mouse myeloma cells with splenocytes from mice that had been immunized intraperitoneally with purified recombinant ZEBOVGP-Fc, which consists of the extracellular domain of the Zaire EBOV GP fused to the human IgG1 Fc fragment.¹

Material Provided:  
Each vial of NR-49264 contains approximately 100 µL of purified monoclonal antibody in PBS, pH 7.2. The concentration, expressed as mg per mL, is shown on the Certificate of Analysis.

Packaging/Storage:  
NR-49264 was packaged aseptically in screw-capped plastic cryovials and is provided frozen on dry ice. NR-49264 should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

Functional Activity:  
NR-49264 is reported to be specific for the mucin region of the Zaire ebolavirus envelope glycoprotein and to function in immunocytochemistry, immunohistochemistry, immuno-precipitation and western blot assays.²

Citation:  
Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-Zaire Ebolavirus Envelope Glycoprotein, Clone 6E9D2 (produced in vitro), NR-49264.”

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/bmbi5/index.htm](http://www.cdc.gov/biosafety/publications/bmbi5/index.htm).**

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References:  

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[www.beiresources.org](http://www.beiresources.org)

E-mail: [contact@beiresources.org](mailto:contact@beiresources.org)  
Tel: 800-359-7370  
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