Monoclonal Anti-Chikungunya Virus E2 Envelope Glycoprotein, Clone CHK-263 (produced *in vitro*)

Catalog No. NR-44003

For research use only. Not for human use.

Contributor:
Michael S. Diamond, M.D., Ph.D., Departments of Medicine, Molecular Microbiology, Pathology and Immunology, Washington University School of Medicine, Saint Louis, Missouri, USA

Manufacturer:
BEI Resources

Product Description:
Antibody Class: IgG2cκ
Mouse monoclonal antibody prepared against the E2 envelope glycoprotein of chikungunya virus (CHIKV) was purified from clone CHK-263 hybridoma supernatant by protein G affinity chromatography. The B cell hybridoma was generated by the fusion of P3X63Ag8.653 mouse myeloma cells with immunized mouse splenocytes. The clone CHK-263 antibody is reported to neutralize a variety of CHIKV strains *in vitro*, and to recognize the B domain of the E2 envelope glycoprotein.[1,2]

Material Provided:
Each vial 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-44003 was packaged aseptically in cryovials. The product is provided on dry ice and should be stored at -20°C or colder immediately upon arrival. For long-term storage, a temperature of -60°C or colder is recommended. Repeated freeze-thaw cycles should be avoided.

Functional Activity:
NR-44003 is reported to function in ELISA as well as flow cytometry and western blot assays.[1]

Citation:
Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-Chikungunya Virus E2 Envelope Glycoprotein, Clone CHK-263 (produced *in vitro*), NR-44003."

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.

Disclaimers:
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References:
1. Diamond, M. S., Personal Communication.
2. Pal, P., et al. "Development of a Highly Protective Combination Monoclonal Antibody Therapy against Chikungunya Virus." PLoS Pathog. 9 (2013): e1003312. PubMed: 23637602

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BEI Resources
www.beiresources.org
E-mail: contact@beiresources.org
Tel: 800-359-7370
Fax: 703-365-2898