

Monoclonal Anti-Junin Virus, Clone GB03-BE08 (immunoglobulin G, Mouse)

Catalog No. NR-2564

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Contributor:

NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH

Product Description:

Mouse monoclonal antibody reactive with the surface glycoprotein of Junin virus¹ was purified from mouse ascites by protein A affinity chromatography.

Note: The antibody class of the hybridoma from which NR-2564 was derived has been reported to be IgG2a.¹ This has been confirmed at BEI Resources. However, the purified mouse ascites preparation (NR-2564, lot 4874349) contains both IgG2a and IgG1.

Material Provided:

Each vial of NR-2564 contains approximately 1 mg of purified monoclonal antibody in 0.02 M potassium phosphate buffer (pH 7.2) containing 0.15 M sodium chloride and 0.02% (w/v) sodium azide. The concentration, expressed as mg per mL, is shown on the Certificate of Analysis.

Packaging/Storage:

NR-2564 was packaged aseptically in glass serum vials and is provided frozen. NR-2564 may be stored undiluted at 4°C for several weeks. It should not be diluted until immediately prior to use. For long-term storage, NR-2564 should be aliquoted and stored at -20°C or colder. Freeze-thaw cycles should be avoided.

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, 2007; see www.cdc.gov/od/ohs/biosfty/bmb15/bmb15toc.htm.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Monoclonal Anti-Junin Virus, Clone GB03-BE08 (immunoglobulin G, Mouse), NR-2564."

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References:

1. Sanchez, A., et al. "Junin Virus Monoclonal Antibodies: Characterization and Cross-reactivity with Other Arenaviruses." *J. Gen. Virol.* 70 (1989): 1125–1132. PubMed: 2471803.

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