

## Monoclonal Anti-Crimean-Congo Hemorrhagic Fever Virus Nucleocapsid Protein, Clone 9D5 (produced *in vitro*)

### Catalog No. NR-40270

This reagent is the property of the U.S. Government.

### For research use only. Not for human use.

#### Contributor:

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#### Manufacturer:

BEI Resources

#### Product Description:

Antibody Class: IgG2ak

Mouse monoclonal antibody prepared against the Crimean-Congo hemorrhagic fever virus (CCHFV) nucleocapsid protein was affinity purified from clone 9D5 hybridoma supernatant using protein G affinity chromatography. The B cell hybridoma was generated by the fusion of Sp2/O-Ag14 mouse myeloma cells with splenocytes from BALB/c mice immunized with CCHFV-infected suckling mouse brain homogenates as described by Bertolotti-Ciarlet et al.<sup>1,2</sup>

This reagent is part of the Joel M. Dalrymple – Clarence J. Peters USAMRIID Antibody Collection.

#### Material Provided:

Each vial of NR-40270 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-40270 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-40270 is reactive in indirect immunofluorescence assays using Vero E6 cells infected with CCHFV. The antibody is not neutralizing *in vitro*.<sup>1</sup> Clone 9D5 antibody is also reported to function in ELISA, flow cytometry and immunoprecipitation assays.<sup>2</sup>

#### Citation:

Acknowledgment for publications should read "The following reagent was obtained from the Joel M. Dalrymple – Clarence J. Peters USAMRIID Antibody Collection through BEI Resources, NIAID, NIH: Monoclonal Anti-Crimean-Congo Hemorrhagic Fever Virus Nucleocapsid Protein, Clone 9D5 (produced *in vitro*), NR-40270."

#### 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](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

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#### References:

- Schmaljohn, C. S., Personal Communication.
- Bertolotti-Ciarlet, A., et al. "Cellular Localization and Antigenic Characterization of Crimean-Congo Hemorrhagic Fever Virus Glycoproteins." *J. Virol.* 79 (2005): 6152-6161. PubMed: 15858000.

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