Product Information Sheet for NR-40283

Monoclonal Anti-Crimean-Congo Hemorrhagic Fever Virus Pre-Gn Glycoprotein, Clone 11F6 (produced *in vitro*)

Catalog No. NR-40283

For research use only. Not for use in humans.

Contributor:
Connie S. Schmaljohn, Ph.D., Chief Scientist, U.S. Army Medical Research Institute of Infectious Diseases, Fort Detrick, Maryland, USA

Manufacturer:
BEI Resources

Product Description:
Antibody Class: IgG1κ
Mouse monoclonal antibody prepared against the Crimean-Congo hemorrhagic fever virus (CCHFV) Pre-Gn glycoprotein was affinity purified from clone 11F6 hybridoma supernatant using protein G affinity chromatography. The B cell hybridoma was generated by the fusion of Sp2/0-Ag14 mouse myeloma cells with splenocytes from BALB/c mice immunized with protein A sepharose-bound CCHFV glycoprotein-antibody complexes.[1]

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

Material Provided:
Each vial of NR-40283 contains approximately 100 µL of purified monoclonal antibody in phosphate-buffered saline (PBS). The concentration expressed as milligrams per milliliter is shown on the Certificate of Analysis.

Packaging/Storage:
NR-40283 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-40283 is reactive in indirect immunofluorescence assays using Vero E6 cells infected with CCHFV. The antibody is not neutralizing *in vitro*. Clone 11F6 antibody is also reported to function in ELISA and immunoprecipitation assays to partially protect suckling mice from lethal CCHFV challenge, and to recognize an epitope that is conserved among some, but not all, CCHFV strains tested.[1,2]

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 Pre-Gn Glycoprotein, Clone 11F6 (produced *in vitro*), NR-40283."

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. 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

Disclaimers:
You are authorized to use this product for research use only. It is not intended for human use.

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References:
1. 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.
2. Ahmed, A. A., et al. "Presence of Broadly Reactive and Group-Specific Neutralizing Epitopes on Newly Described Isolates of Crimean-Congo Hemorrhagic Fever Virus." J. Gen. Virol. 86 (2005): 3327-3336. PubMed: 16298978.

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

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