Human Late Convalescent Plasma 002 to Zika Virus

Catalog No. NR-50613

Lot No. 70001925

For research use only. Not for human use.

Contributor and Manufacturer:
Mark Mulligan, M.D., Hope Clinic, Emory Vaccine Center, and Division of Infectious Diseases, Department of Internal Medicine, Emory University School of Medicine, Atlanta, Georgia, USA

Product Description:
NR-50613 is convalescent plasma collected from a human subject who returned from travel to Colombia with a confirmed Zika virus (ZIKV) infection. The sample was obtained on August 30, 2016, two hundred thirty-six days after the onset of symptoms. This case represents a primary flavivirus exposure based on virus- and type-specific neutralizing antibody titers obtained at various times after infection (see Functional Activity section below).[1]

Material Provided:
Each vial contains approximately 1.0 mL of plasma.

Packaging/Storage:
NR-50613 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen on dry ice and should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

Functional Activity:[1,2]
50% neutralization titers:

- ZIKV – 865
- DENV1 – ND (negative at earlier time points)
- DENV2 – ND (negative at earlier time points)
- DENV3 – ND (negative at earlier time points)
- DENV4 – ND (negative at earlier time points)

Citation:
Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Human Late Convalescent Plasma 002 to Zika Virus, NR-50613."

Biosafety Level: 2
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:
You are authorized to use this product for research use only. It is not intended for human use.

Use of this product is subject to the terms and conditions of the BEI Resources Material Transfer Agreement (MTA). The MTA is available on our Web site at www.beiresources.org.

While BEI Resources uses reasonable efforts to include accurate and up-to-date information on this product sheet, neither ATCC® nor the U.S. Government makes any warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. Neither ATCC® nor the U.S. Government warrants that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, use and disposal. ATCC® and the U.S. Government are not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, the U.S. Government, ATCC®, their suppliers and contributors to BEI Resources are not liable for damages arising from the misidentification or misrepresentation of products.

Use Restrictions:
This material is distributed for internal research, non-commercial purposes only. This material, its product or its derivatives may not be distributed to third parties. Except as performed under a U.S. Government contract, individuals contemplating commercial use of the material, its products or its derivatives must contact the contributor to determine if a license is required. U.S. Government contractors may need a license before first commercial sale.

References:
1. Mulligan, M., Personal Communication.
2. Testing was performed on a matched serum sample obtained at the same time as this plasma.

ATCC® is a trademark of the American Type Culture Collection.

Support Provided by NIAID

BEI Resources
www.beiresources.org

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