Monoclonal Anti-Zika virus envelope (E) protein, Clone ZV-2 (produced in vitro)

VR-1864™

Description

Antibody class: IgG2cκ
Volume: 100 µL
Shipping information: Purified monoclonal antibodies are provided in PBS

Storage Conditions

Product format: Frozen
Storage conditions: -20°C or colder

Intended Use

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

BSL 1

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

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Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Product Information

Material development: Mouse monoclonal antibody prepared against the envelope (E) glycoprotein of Zika virus (ZIKV) was purified from clone ZV-2 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 ZV-2 antibody is non-neutralizing, recognizes an epitope within the ABDE sheet of the DIII domain of the E glycoprotein, and does not cross-react on dengue, Japanese encephalitis, or West Nile viruses.
Cross-reactivity: ATCC VR-1864 specifically recognizes ZIKV-infected cells in indirect immunofluorescence assays. The clone ZV-2 antibody is also reported to function in ELISA and in western blot assays performed under non-reducing conditions.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Monoclonal Anti-Zika virus envelope (E) protein, Clone ZV-2 (produced in vitro) (ATCC VR-1864)

References

References and other information relating to this material are available at www.atcc.org.

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Revision

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