Product Information Sheet for NR-56497

Monoclonal Anti-Vaccinia Virus E3L, Clone TW2.3 (produced *in vitro*)

Catalog No. NR-56497

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

For research use only. Not for use in humans.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Antibody Class: IgG2a.κ
Mouse monoclonal antibody specific to E3L from vaccinia virus was purified from hybridoma supernatant by protein G affinity chromatography. The B cell hybridoma was generated by the fusion of SP2/0 myeloma cells with immunized mouse splenocytes. The immunizing antigen was recombinant vaccinia virus expressing E19 from adenovirus.[1,2]

Material Provided:

Each vial of NR-56497 contains approximately 100 µL of purified monoclonal antibody in PBS. The concentration, expressed as milligrams per milliliter, is shown on the Certificate of Analysis.

Packaging/Storage:

NR-56497 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:

This monoclonal antibody is reported to be reactive in ELISA and immunofluorescence assays. It is not suited for neutralization assays.[1]

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-Vaccinia Virus E3L, Clone TW2.3 (produced *in vitro*), NR-56497."

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:

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References:

1. Yewdell, J. W., Personal Communication.
2. Yuwen, H., et al. "Nuclear Localization of a Double-Stranded RNA-Binding Protein Encoded by the Vaccinia Virus E3L Gene." Virology 195 (1993): 732-744. PubMed: 8337842.

Support Provided by NIAID

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