Monoclonal Anti-Dengue Virus Type 1 Envelope Protein, Clone E19 (produced in vitro)

Catalog No. NR-4747

For research use only. Not for human use.

Contributor:
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Manufacturer:
NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH

Product Description:
Antibody Class: IgG1κ
Mouse monoclonal antibody prepared against the envelope glycoprotein of dengue virus type 1 (DEN-1) was purified from clone E19 hybridoma supernatant by protein G affinity chromatography. The B cell hybridoma was generated by the fusion of P3X63.Ag.8.6.5.3 BALB/c mouse myeloma cells with immunized mouse splenocytes. The clone E19 antibody is reported to bind to domain I-II in the envelope glycoprotein. The antibody is reported to bind to domain I-II in the envelope glycoprotein.¹

Material Provided:
Each vial of NR-4747 contains approximately 85 µg of purified monoclonal antibody in PBS. The concentration, expressed as mg per mL, is shown on the Certificate of Analysis.

Packaging/Storage:
NR-4747 was packaged aseptically in screw-capped plastic cryovials and is provided frozen on dry ice. NR-4747 should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

Functional Activity:
NR-4747 is reactive by ELISA using DEN-1-infected cell lysates (DEN-1, Hawaii; BEI Resources NR-82). The antibody is reported to be reactive using flow cytometry.¹

Biosafety Level: 1

Citation:
Acknowledgment for publications should read “The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Monoclonal Anti-Dengue Virus Type 1 Envelope Protein, Clone E19 (produced in vitro), NR-4747.”

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References:

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