Monoclonal Anti-Langat Virus Envelope Glycoprotein (E), Clone 5G5 (produced in vitro)

Catalog No. NR-40318
This reagent is the property of the U.S. Government.

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: IgG2aκ
Mouse monoclonal antibody prepared against the Langat virus (LGTV) envelope glycoprotein (E) was purified from clone 5G5 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 mice inoculated with LGTV-infected mouse brain suspensions, as described by Iacono-Connors, et al.1

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

Material Provided:
Each vial of NR-40318 contains approximately 100 µL of purified monoclonal antibody in PBS. The concentration, expressed as mg per mL, is shown on the Certificate of Analysis.

Packaging/Storage:
NR-40318 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-40318 is reactive in indirect immunofluorescence and western blot assays using LGTV-infected Vero cells. This antibody is also reported to function in ELISA, to specifically recognize LGTV E protein in immunoprecipitation assays, and to cross-react on Hypr virus, Kyasanur Forest disease virus, Negishi virus, Omsk hemorrhagic fever virus and Sofyn virus.1

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-Langat Virus Envelope Glycoprotein (E), Clone 5G5 (produced in vitro), NR-40318.”

Biosafety Level: 1

Disclaimers:
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References:

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