Monoclonal Anti-Zaire Ebolavirus Envelope Glycoprotein, Clone 2A5D12 (produced in vitro)

Catalog No. NR-32976

For research use only. Not for human use.

Contributor and Manufacturer:
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Product Description:
Antibody Class: IgG1
Mouse monoclonal antibody prepared against the envelope glycoprotein (GP) of ebolavirus (EBOV) was purified from clone 2A5D12 hybridoma supernatant by protein A affinity chromatography. The B cell hybridoma was generated by the fusion of mouse myeloma cells with spleenocytes from mice that had been immunized intraperitoneally with purified recombinant ZEBOVGP-Fc, which consists of the extracellular domain of the Zaire EBOV GP fused to the human IgG1 Fc fragment.¹

Material Provided:
Each vial of NR-32976 contains approximately 100 µL of purified monoclonal antibody in PBS, pH 7.2. The concentration, expressed as mg per mL, is shown on the Certificate of Analysis.

Packaging/Storage:
NR-32976 was packaged aseptically in screw-capped plastic cryovials and is provided frozen on dry ice. NR-32976 should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

Functional Activity:
NR-32976 is reported to be specific for the mucin region of the Zaire ebolavirus envelope glycoprotein and to function in immunocytotoxicity, immunohistochemistry, immunoprecipitation and western blot assays.²

Citation:
Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-Zaire Ebolavirus Envelope Glycoprotein, Clone 2A5D12 (produced in vitro), NR-32976.”³

Biosafety Level: 1

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References:
2. G. Kaplan, personal communication.

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