Monoclonal Anti-Sudan Ebolavirus Envelope Glycoprotein, Clone 6D11 (produced in vitro)

Catalog No. NR-12208

For research use only. Not for human use.

Contributor:
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Manufacturer:
BEI Resources

Product Description:
Antibody Class: IgG1κ
Mouse monoclonal antibody prepared against the envelope glycoprotein (GP) of Sudan ebolavirus (EBOV) was purified from clone 6D11 hybridoma supernatant by protein G affinity chromatography. The B cell hybridoma was generated by the fusion of P3X63-Ag8 BALB/c mouse myeloma cells with splenocytes from female BALB/c mice that had been immunized intramuscularly with VRC6204 plasmid and boosted with purified recombinant GP of the Sudan EBOV Gulu strain.1 VRC6204 consists of a synthetic human codon-optimized gene expressing the transmembrane-deleted GP of the Sudan EBOV Gulu strain.2

Note: The P3X63-Ag8 myeloma cell line secretes the MOPC21 myeloma protein, a mouse IgG1κ antibody of unknown specificity. Thus, NR-12208 may contain both MOPC21 protein and EBOV GP-specific antibody of the IgG1κ isotype, as well as inactive hybrid immunoglobulin molecules.

Material Provided:
Each vial of NR-12208 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-12208 was packaged aseptically in screw-capped plastic cryovials and is provided frozen on dry ice. NR-12208 should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

Functional Activity:
NR-12208 is reported to recognize Sudan EBOV GP in western blot assays and not to cross-react with other known EBOV species.1

Citation:
Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-Sudan Ebolavirus Envelope Glycoprotein, Clone 6D11 (produced in vitro), NR-12208.”

Biosafety Level: 1

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References:


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