

Monoclonal Anti-Zika Virus Envelope (E) Protein, Clone ZV-16 (immunoglobulin G, Mouse)

Catalog No. NR-50413

Product Description: Antibody Class: IgG2ck

Mouse monoclonal antibody prepared against the envelope (E) glycoprotein of Zika virus was purified from ascites fluid by protein G affinity chromatography. Ascites formation was induced by injecting approximately 2.5×10^6 cultured hybridoma clone ZV-16 cells into the peritoneal cavities of pristane-primed mice. The B cell hybridoma was generated by the fusion of P3X63Ag8.653 myeloma cells with immunized mouse splenocytes.

Lot: 2245

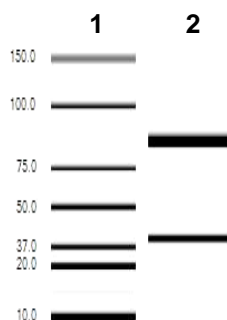
Manufacturing Date: 13OCT2017

TEST	SPECIFICATIONS	RESULTS
Antibody Class	Report results	IgG2ck
Experion Pro260 Analysis	Correct molecular weight (MW) for heavy and light chains Report results	Correct MW for heavy and light chains (Figure 1) 98.7% pure
Protein Concentration by Spectrophotometer at OD ₂₈₀	Report results	0.9 mg per mL
Functional Activity Indirect fluorescent antibody assay Zika virus ¹ Dengue virus ²	Report results Report results	Fluorescence observed No fluorescence observed
Sterility	0.22 µm filter-sterilized	0.22 µm filter-sterilized

¹Using Zika virus PRVABC59 (BEI Resources NR-50240)-infected Vero E6 cells with a 1:100 dilution of NR-50413

²Using dengue virus type 1, Hawaii (BEI Resources NR-82)-infected Vero E6 cells with a 1:100 dilution of NR-50413

Figure 1



Lane 1: MW Markers (kDa)
Lane 2: NR-50413

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Program Manager or designee, ATCC Federal Solutions

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