

# Monoclonal Anti-Flavivirus Antibody, Clone cIgM 6B6C-1, Humanized IgM (produced *in vitro*)

## Catalog No. NR-50502

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## Product Description: Antibody Class: IgM

Human-murine chimeric monoclonal antibody (MAb) was purified by mannan binding affinity chromatography from Sp2/0-Ag14 mouse myeloma cells transformed with a recombinant plasmid expressing the chimeric immunoglobulin M (IgM) antibody.

Lot: 70000467

Manufacturing Date: 31MAY2018

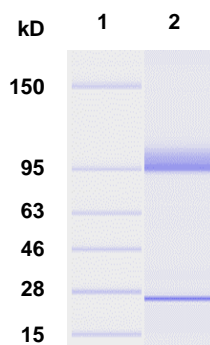
TEST	SPECIFICATIONS	RESULTS
Antibody Class Determination	IgM	IgM
Agilent® Protein 230 Analysis	Correct molecular weight (MW) for heavy and light chains Report results	Correct MW for heavy and light chains (Figure 1) 100% pure
Concentration by Spectrophotometer at OD <sub>280</sub>	Report results	0.99 mg per mL
Functional Activity by Indirect Immunofluorescent Assay <sup>1</sup>	Report results	Positive
Functional Activity in IgM Antibody Capture ELISA <sup>2</sup> Anti-Zika Virus (ZIKV) Human IgM positive control (NR-50771) Pooled Normal Human Sera negative control (NR-50451) NR-50502: 1:50 1:100 1:200 1:400 1:800	Report results Report results  Report results Report results Report results Report results Report results	ZIKV-specific IgM detected No ZIKV-specific IgM detected  Positive (T/C = 14.8) Positive (T/C = 16.0) Positive (T/C = 18.1) Positive (T/C = 15.9) Positive (T/C = 11.5)
Sterility	0.22 µm filter-sterilized	0.22 µm filter-sterilized

<sup>1</sup>Using Dengue virus, Type 1, strain Hawaii (BEI Resources NR-82 lot 70018416) and a 1:100 dilution of NR-50502 or betapropiolactone-inactivated ZIKV, PRVABC59 (NR-50420 lot 70017241) and a 1:500 dilution of NR-50502.

<sup>2</sup>Assay performed according to the protocol provided with the NIAID Zika Virus IgM Antibody Capture (MAC) ELISA Kit (BEI Resources NR-50449), using a 1:1000 dilution of goat anti-human IgM (BEI Resources NR-50447 lot 70013895), a 1:100 dilution of anti-ZIKV IgM positive control (BEI Resources NR-50771 lot 70012621) and pooled normal human sera negative control (BEI Resources NR-50451 lot 70005991) and 1:40 dilution of normal Vero E6 antigen (BEI Resources NR-50419 lot 70005992) and ZIKV Vero E6 antigen (NR-50420 lot 70005993). The results are reported based on the ratio of the OD observed for each sample with ZIKV Test antigen vs uninfected cell Control antigen (T/C): < 1.9 = negative; 1.9 – 2.8 = equivocal; > 2.8 = positive

# Certificate of Analysis for NR-50502

**Figure 1: Agilent® Protein 230 Analysis**



Lane 1: Agilent® Protein 230 Ladder  
Lane 2: NR-50502

/Heather Couch/  
Heather Couch

09 JAN 2019

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