

Mouse Zika virus NS1 Monoclonal Antibody

Zika virus NS1 antibody

CATALOG # AAA224597	HOST Mouse	APPLICATIONS Lateral Flow, ELISA
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PRODUCT SYNONYMS

Zika virus NS1; Monoclonal Antibody; Zika virus NS1 antibody; Monoclonal Zika antibody; Zika virus antibody; Zika NS1 antibody; Zika virus NS1 antigen antibody; Zika antibody; Anti-Zika antibody; Zika virus Non-Structural 1 antibody; Zika Non Structural 1 antibody; ZIKV antibody; ZIKV antigen antibody; ZIKV NS1 antibody; Anti- Zika NS1 antibody; anti-Zika virus NS1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1 kappa
Clone Number	M86640
Purity/Purification	> 90% pure Purified by DEAE column chromatography
Form/Format	liquid in 15mM potassium phosphate, 0.85% NaCl, pH 7.2 with 0.05% sodium azide
Concentration	1.0mg/ml (varies by lot)
Applicable Applications for anti-Zika virus NS1 antibody	LF (Lateral Flow), ELISA
Immunogen	Zika virus NS1 antibody was raised in mouse using recombinant Zika NS1 protein as the immunogen.
Note	Potentially suitable for assay development for detection of Zika NS1 protein.
Assay Information	Zika virus NS1 protein was used as the immunogen for this antibody and can be used as a positive control.
Biological Significance	Zika virus (ZIKV), a Flaviviridae family member transmitted to humans by mosquitoes of the genus Aedes, was first isolated in Africa in 1947. It has been found to commonly circulate in tropical regions in Africa and Asia. As a member of the Flaviviridae family, ZIKV has a single positive sense RNA genome, which is initially translated as a single polyprotein which is then cleaved post-translationally into three structural proteins (C, PrM or M, and E) and seven nonstructural (NS) proteins (NS1, NS2A, NS2B, NS3, NS4A, NS4B and NS5). NS1 is required for viral replication inside cells and is also secreted into the extracellular space as a hexameric lipoprotein particle, which is involved in immune evasion and pathogenesis by interacting with components from both the innate and adaptive immune systems.
Implications in Disease	Many people infected with Zika virus will have mild or no symptoms while others will have fever, rash, joint pain, or conjunctivitis. People rarely die from Zika virus. Pregnant woman can pass Zika virus to her fetus causing microcephaly and other severe fetal brain defects.
Preparation and Storage	Store at 4 degree C.

ADDITIONAL INFORMATION

Related Product Information for anti-Zika virus NS1 antibody	Mouse monoclonal Zika virus NS1 antibody
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/zika-virus-ns1-antibody-clone-m86640-lateral-flow-elisa/224597>