

Anti-ZIKV NS1 Antibody [Clone ZK51]

Catalog Number	LDG0015YA
Package	100 µg / 200 µg / Customized package

For full product information, images and publications, please visit [our website](#).



Overview

Description

Zika virus belongs to the family Flaviviridae, genus Flavivirus. Zika virus is transmitted primarily by mosquitos, but also can be transmitted through sexual, vertical, and blood transfusion. NS1 is a highly-conserved viral protein in flaviviruses. In infected patients, the concentration of NS1 protein in circulating blood is relatively high, and can be detected up to 5 days after the onset of illness.

Product Note

Recommended dilution factor:

ELISA: 1:5000-20000

WB: 1:1000-5000

IFA: 1:500-1000

FACS: Assay dependent

Note: Working dilution for specific application should be determined by the investigator to obtain the best conditions.

Specifications

Host

Mouse

Clonality

Monoclonal

Isotype

IgG1

Clone Name

clone ZK51

Immunogen

Zika virus NS1

Reactivity

Zika virus

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Application

ELISA, WB, IFA

Conjugation

Unconjugated

Concentration

1 mg/mL

Buffer

Phosphate Buffered Saline containing 0.03% ProClin 300, pH 7.4.

Specificity

NS1

Form

Liquid

Instruction**Shipping**

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.




Stability & Storage

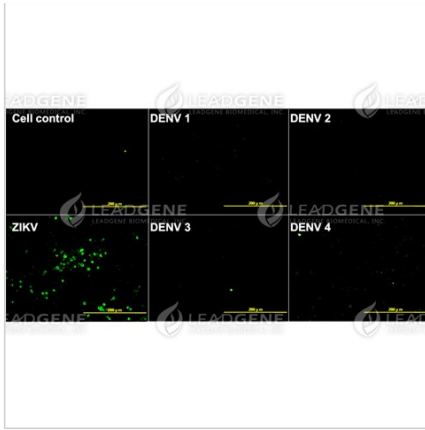
This product is stable after storage at:

- 2-8°C for 2 weeks under sterile conditions from date of receipt.
- -20°C or -80°C for 12 months under sterile conditions from date of receipt.

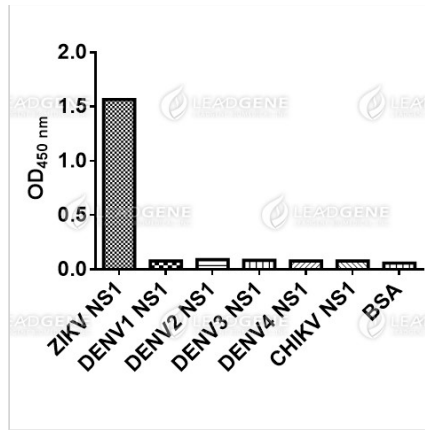
Avoid repeated freeze/thaw cycles.

Suggestion: Divide antibody into several vials. Keep only vials for usage at 2-8°C.

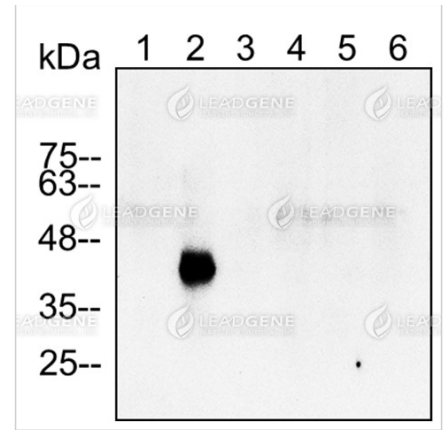
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Immunofluorescence analysis of Anti-ZIKV NS1 Antibody [Clone ZK51]
 ZIKV NS1 mAb (1:400) were used for detecting ZIKV NS1 in IFA. Scale bar: 200 μ m



ELISA assay of Anti-ZIKV NS1 Antibody [Clone ZK51]
 Indirect ELISA analysis was performed by coating a plate with recombinant NS1 protein of ZIKV, CHIKV or DENV and probing with anti-ZIKV NS1 Antibody.



Western blotting analysis of Anti-ZIKV NS1 Antibody [Clone ZK51]
 Western blot: Virus infection Vero cell lysates were stained with mouse anti-ZIKV NS1 monoclonal antibody at 1:2000 dilution. Lane 1: Vero mock cell lysate (10 μ g), Lane 2: Vero ZIKV cell lysate (10 μ g), Lane 3: Vero DENV1 cell lysate (10 μ g), Lane 4: Vero DENV2 cell lysate (10 μ g), Lane 5: Vero DENV3 cell lysate (10 μ g), Lane 6: Vero DENV 4 cell lysate (10 μ g).

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