

Anti-DENV NS3 Antibody [Clone 15-5]

Catalog Number	LDG0006YA
Package	100 µg / Customized package

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



Overview

Description

Dengue virus belongs to the family Flaviviridae, genus Flavivirus and consists of four distinct serotypes (DENV1 to 4). Dengue virus is transmitted by mosquitos majorly of species *Aedes aegypti* and *Aedes Albopictus* that widespread around tropics and subtropics. NS3 is a multi-functional enzyme, acting as a protease for polyprotein processing. The NS3 proteins are essential for viral replication and infectivity and important targets for anti-dengue drug design.

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

IgG2b

Clone Name

clone 15-5

Immunogen

Dengue virus NS3

Reactivity

Dengue virus

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Application

ELISA, WB, IFA, FACS

Conjugation

Unconjugated

Concentration

1 mg/mL

Buffer

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

Specificity

NS3

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

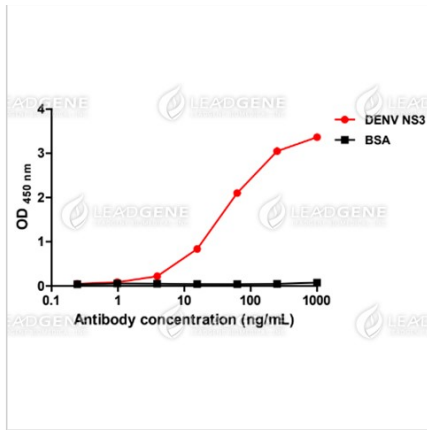
This product is stable after storage at:

- 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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ELISA titration of DENV NS3 antibody



Western blotting analysis of DENV

NS3 antibody (1:1000)

Lane 1: DENV1-infected Vero cell
lysate

Lane 2: DENV2-infected Vero cell
lysate

Lane 3: DENV3-infected Vero cell
lysate

Lane 4: DENV4-infected Vero cell
lysate

Lane 5: ZIKV-infected Vero cell lysate

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