

## Anti-DENV NS5 Antibody [Clone 37-2]

**Catalog Number** LDG0007YA

**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. NS5 is the largest and the most conserved protein of Dengue virus, acting as both a RNA-dependent RNA polymerase and a RNA methyltransferase enzyme. The NS5 proteins are important for viral replication and can down-regulate the host immune interferon response.

#### 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 37-2

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**Immunogen**

Dengue virus NS5

**Application**

ELISA, WB, IFA, FACS

**Concentration**

1 mg/mL

**Specificity**

NS5

**Reactivity**

Dengue virus

**Conjugation**

Unconjugated

**Storage Buffer**

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

**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.

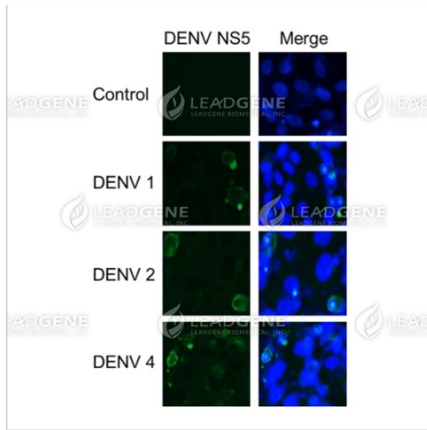
**Image****Tainan Headquarter**

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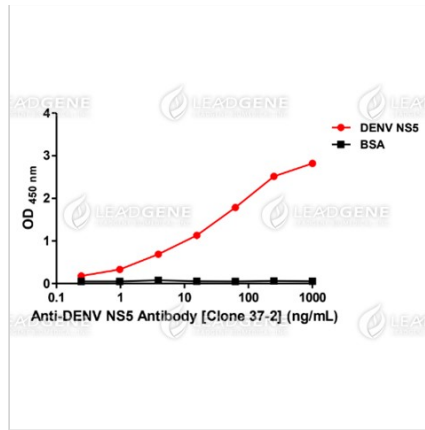
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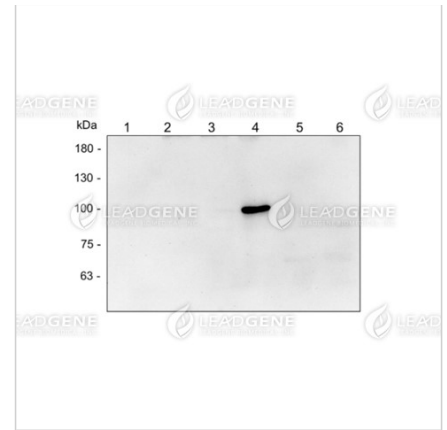
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Immunofluorescence analysis of Anti-DENV NS5 Antibody [Clone 37-2]  
 Control Vero cells (uninfected) and Virus (DENV 1,2,4) infection Vero cells were fixed in 4% PFA, permeabilized with PBS containing 0.1% Triton X-100. Cells were stained with mouse anti-DENV NS5 monoclonal antibody followed by secondary antibodies (goat anti-Mouse IgG-iFluor 488, 1:400, green) and cell nuclei were stained with Hoechst 33342 (Blue).



ELISA titration of Anti-DENV NS5 Antibody [Clone 37-2]  
 Titration curve of anti-DENV NS5 antibody in ELISA. Red: NS5; Black: BSA (negative control).



Western blotting analysis of Anti-DENV NS5 Antibody [Clone 37-2]  
 Virus infection Vero cell lysates were stained with mouse anti-DENV NS5 monoclonal antibody at 1:1000 dilution. Lane 1: Vero cell lysate (10 µg), Lane 2: ZIKV infection (10 µg), Lane 3: DENV1 infection (10 µg), Lane 4: DENV2 infection (10 µg), Lane 5: DENV3 infection (10 µg), Lane 6: DENV4 infection (10 µg).

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