

## 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

#### Isotype

IgG2b

#### Clonality

Monoclonal

#### Clone Name

clone 37-2

**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:

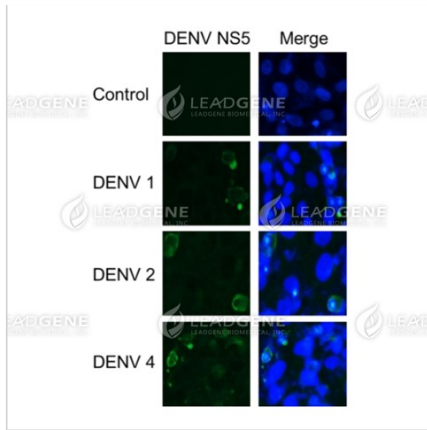
- 2-8°C for 2 weeks under sterile conditions from date of receipt.
- -20°C or -80°C for 12 months under sterile conditions from date of receipt.

Avoid repeated freeze/thaw cycles.

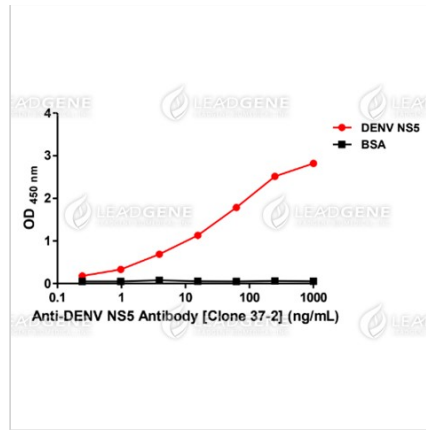
Suggestion: Divide antibody into several vials.

Keep only vials for usage at 2-8°C.

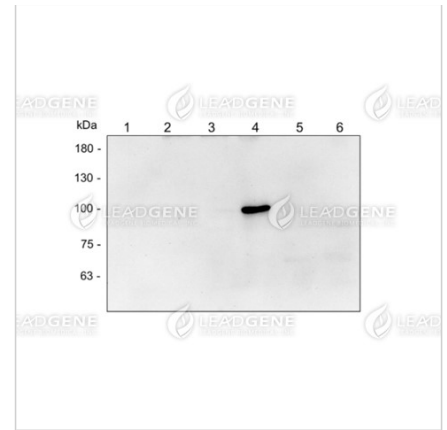
**Image**



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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