

## Anti-DENV NS4B Antibody [Clone 24-1]

Catalog Number	LDG0008YA
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. NS4B is a non-enzymatic transmembrane protein, acting as an important component of the viral replication complex in the ER. The NS4B proteins can affect host immunity through protein-protein interactions.

#### 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 24-1

#### Immunogen

Dengue virus NS4B

#### Reactivity

Dengue virus

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**Application**

ELISA, WB, IFA, FACS

**Conjugation**

Unconjugated

**Concentration**

1 mg/mL

**Storage Buffer**

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

**Specificity**

NS4B

**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**

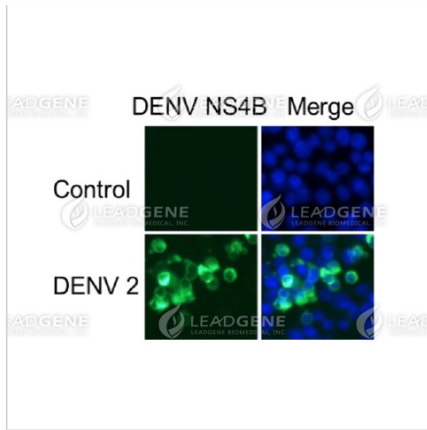
This product is stable after storage at:

- 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.

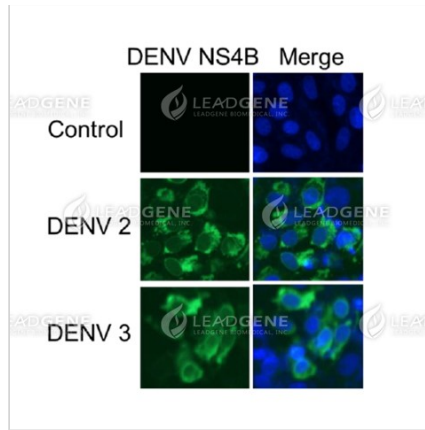
Avoid repeated freeze/thaw cycles.

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

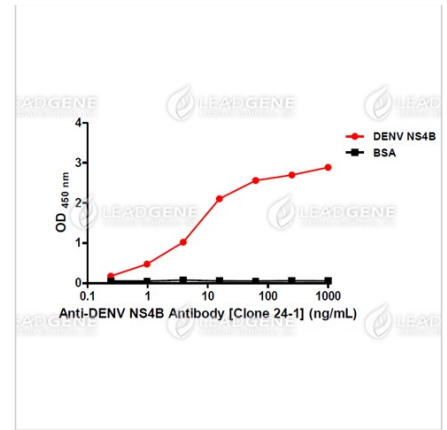
**Image****Tainan Headquarters** +886-6-2536677 [bd@leadgene.com.tw](mailto:bd@leadgene.com.tw)**Innovation & Research Center** +886-2-27065528**CLD Center** +886-6-2536677



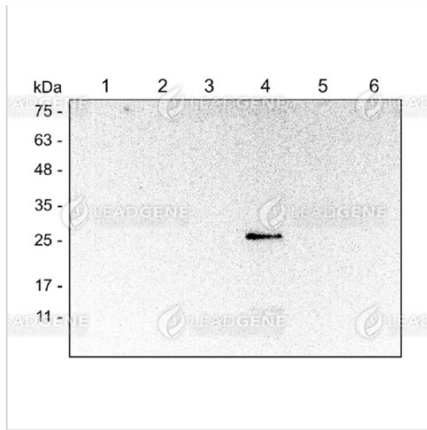
Immunofluorescence analysis of Anti-DENV NS4B Antibody [Clone 24-1] Control BHK cells (uninfected) and Virus (DENV 2) infection BHK cells were fixed in 4% PFA, permeabilized with PBS containing 0.1% Triton X-100. Cells were stained with mouse anti-DENV NS4B monoclonal antibody (1:400) followed by secondary antibodies (goat anti-Mouse IgG-iFluor 488, 1:400, green) and cell nuclei were stained with Hoechst 33342 (Blue).



Immunofluorescence analysis of Anti-DENV NS4B Antibody [Clone 24-1] Control Vero cells (uninfected) and Virus (DENV 2,3) infection Vero cells were fixed in 4% PFA, permeabilized with PBS containing 0.1% Triton X-100. Cells were stained with mouse anti-DENV NS4B monoclonal antibody (1:400) 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 NS4B Antibody [Clone 24-1]  
 Titration curve of anti-DENV NS4B antibody in ELISA. Red: NS4B; Black: BSA (negative control).



Western blotting analysis of Anti-DENV NS4B Antibody [Clone 24-1]  
 Western blot: Virus infection BHK cell lysates were stained with mouse anti-DENV NS4B monoclonal antibody at 1:1000 dilution.

Lane 1: BHK 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).

**Disclaimer :** For Research Use or Further Manufacturing Only.