

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

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Immunogen

Dengue virus NS4B

Application

ELISA, WB, IFA, FACS

Concentration

1 mg/mL

Specificity

NS4B

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.

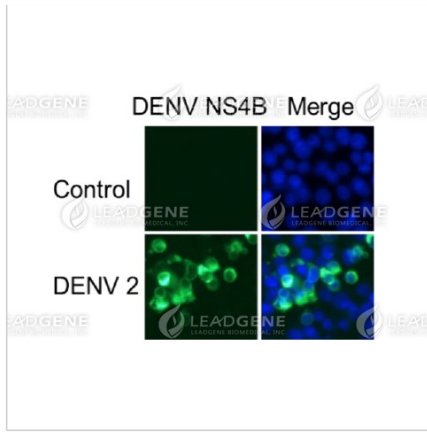
Image**Tainan Headquarter**

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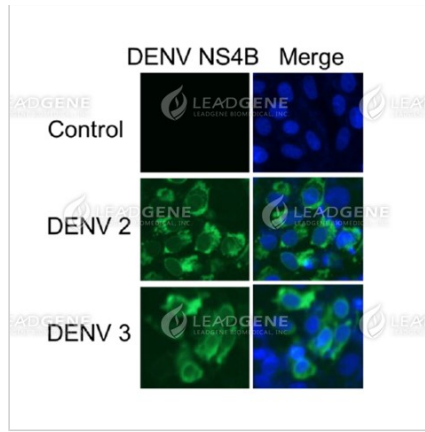
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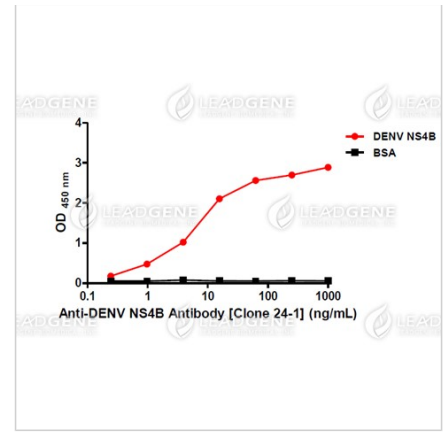
Immunofluorescence analysis of Anti-DENV NS4B Antibody [Clone 24-1]

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).



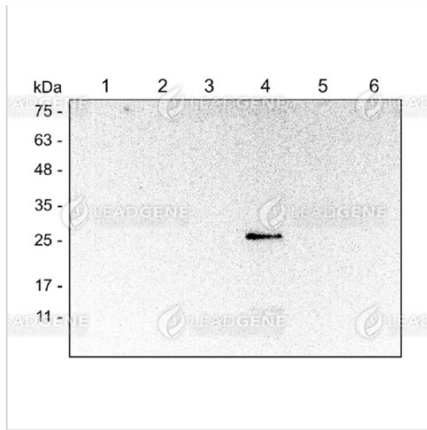
Immunofluorescence analysis of Anti-DENV NS4B Antibody [Clone 24-1]

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.