Anti-DENV M Antibody [Clone 31-1]

Catalog Number	LDG0009YA
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. The Membrane protein is the second smallest protein of dengue virus. Before dengue virus particles release, host protease furin cleaves prM into M. This amphipathic helical portion acts as an important component of the mature virion, interacting with envelope protein to promote invasion, packing mature, and release.

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	**Clonality**
Mouse	Monoclonal
Isotype	**Clone Name**
IgG2b	clone 31-1
Immunogen	**Reactivity**
Dengue virus M	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

M (membrane) protein

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

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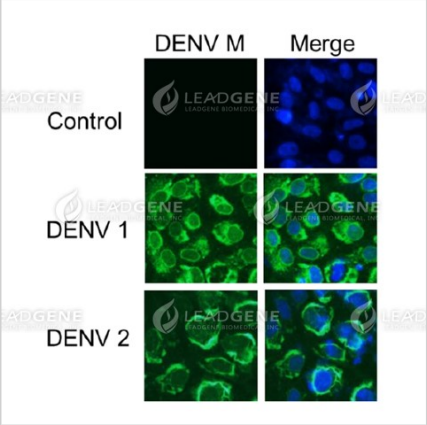
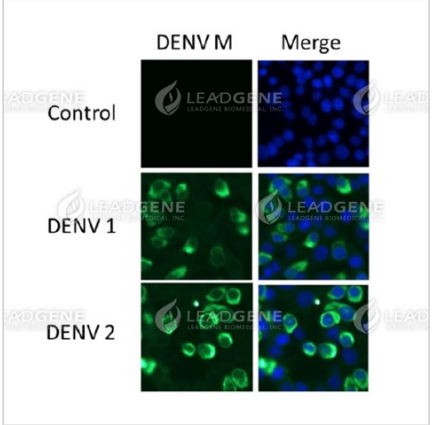
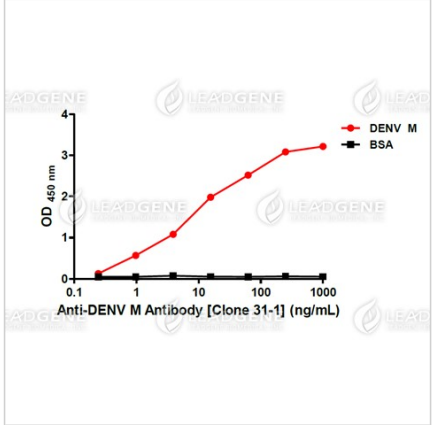


Immunofluorescence analysis of Anti-DENV M Antibody [Clone 31-1] Control Vero cells (uninfected) and Virus (DENV 1,2) infection Vero cells were fixed in 4% PFA, permeabilized with PBS containing 0.1% Triton X-100. Cells were stained with mouse anti-DENV M monoclonal antibody (1:400) followed by secondary antibodies (goat anti-Mouse IgG-iFluor 488, 1:400, green) and cell nuclei were stained with Hoechst 33342 (Blue).



Immunofluorescence analysis of Anti-DENV M Antibody [Clone 31-1] Control BHK cells (uninfected) and Virus (DENV 1,2) infection BHK cells were fixed in 4% PFA, permeabilized with PBS containing 0.1% Triton X-100. Cells were stained with mouse anti-DENV M 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 M Antibody [Clone 31-1] Titration curve of anti-DENV M antibody in ELISA. Red: DENV M; Black: BSA (negative control).

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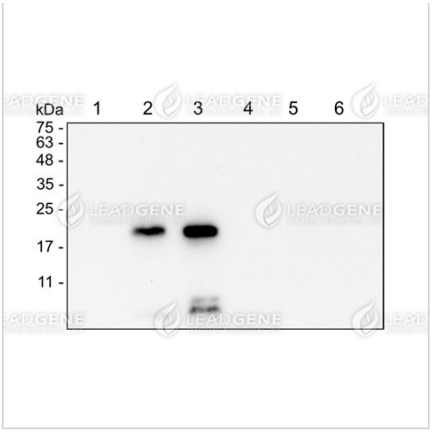
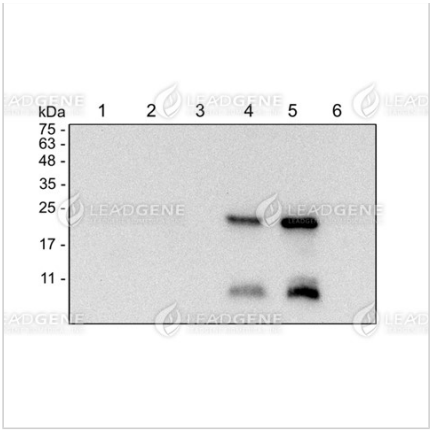


Western blotting analysis of Anti-DENV M Antibody [Clone 31-1]
Virus infection C636 cell lysates were stained with mouse anti-DENV M monoclonal antibody at 1:1000 dilution.
Lane 1: ZIKV infection (10 µg), Lane 2: DENV1 infection (10 µg), Lane 3: DENV2 infection (10 µg), Lane 4: DENV3 infection (10 µg), Lane 5: DENV4 infection (10 µg), Lane 6: C636 cell lysate (10 µg).



Western blotting analysis of Anti-DENV M Antibody [Clone 31-1]
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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).

Disclaimer : For Research Use or Further Manufacturing Only.

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