Dengue virus NS3 protein antibody [GT2811]

Cat. No. GTX629477

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Applications	WB, ICC/IF, ELISA
Reactivity	Dengue virus 1, Dengue virus 2, Dengue virus 3, Dengue virus 4

References (25)

Review (3)

Package
100 µl, 25 µl

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:1000-1:10000
ICC/IF	1:100-1:2000
ELISA	Assay dependent

Not tested in other applications.

Calculated MW	69 kDa. (Note)
Product Note	This antibody does not cross-react with JEV Envelope protein.

Properties

Form	Liquid
Buffer	PBS, 20% Glycerol
Preservative	No Preservative
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of Dengue virus NS3 protein (Dengue virus 2 (strain 16681 PDK 53)). The exact sequence is proprietary.
Purification	Affinity purified by Protein G.
Conjugation	Unconjugated

For full product information, images and publications, please visit our website.

GeneTex, Inc. (North America)
1-877-436-3839 (Toll-free) 1-949-309-2888 sales@genetex.com

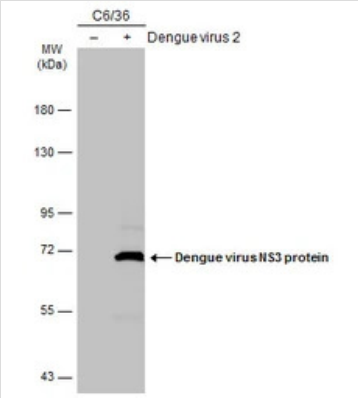
GeneTex International Corporation (Global)
886-3-6208988 886-3-6208989 infoasia@genetex.com

Note

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

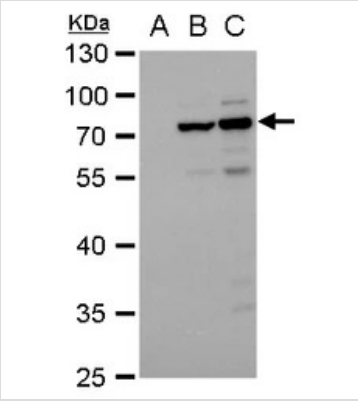
Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



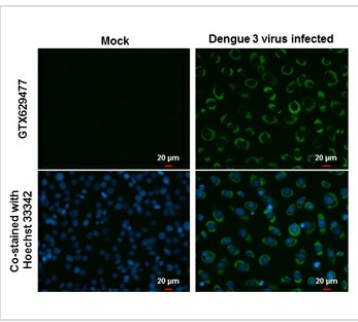
GTX629477 WB Image

Non-infected (–) and infected (+) C6/36 whole cell extracts (15 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Dengue virus NS3 protein antibody [GT2811] (GTX629477) diluted at 1:5000. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



GTX629477 WB Image

NS3 (Dengue virus) antibody [GT2811] detects NS3 (Dengue virus) protein by western blot analysis.
A. 66 µg BHK-21 whole cell extract
B. 20 µg whole cell extract of Dengue virus type 2 infected BHK-21 cells
C. 10 µg whole cell extract of Dengue virus type 3 infected BHK-21 cells
10% SDS-PAGE
NS3 (Dengue virus) antibody [GT2811] (GTX629477) dilution: 1:5000
The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.
The results may vary from different DENV strains, viral infection status, and culture conditions.
Reference: Proc Natl Acad Sci U S A. 2013 Apr 23;110(17):6795-9, J Infect Dis. 2011 Jun 15;203(12):1775-83.



GTX629477 ICC/IF Image

NS3 (Dengue virus) antibody [GT2811] detects NS3 (Dengue virus) protein at cytoplasm by immunofluorescent analysis.
Samples: BHK-21 cells mock (left) and infected with Dengue virus 3 (right) were fixed in paraformaldehyde.
Green: NS3 (Dengue virus) protein stained by NS3 (Dengue virus) antibody [GT2811] (GTX629477) diluted at 1:2000.
Blue: Hoechst 33342 staining.

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