

Dengue virus NS3 protein antibody [GT2811]

Cat. No. GTX629477

Host	Mouse
Clonality	Monoclonal
Isotype	lgG1
Applications	WB, ICC/IF, ELISA
Reactivity	Dengue virus 1, Dengue virus 2, Dengue virus 3, Dengue virus 4



Applications

Application Note

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

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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. (<u>Note</u>)	
	This antibody does not cross-react with JEV Envelope protein.	
Product Note	This antibody does i	not cross-react with JEV Envelope protein.
Product Note Properties	This antibody does i	not cross-react with JEV Envelope protein.

Properties	
Form	Liquid
Buffer	PBS, 20% Glycerol
Preservative	No preservatives
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C 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 <u>website</u>.

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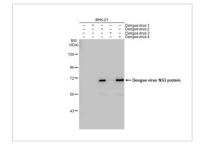


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Note

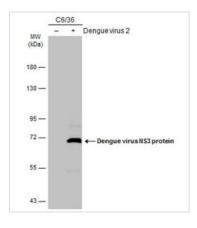
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DATA IMAGES



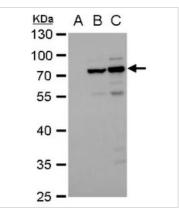
GTX629477 WB Image

Non-infected (–) and infected (+) BHK-21 whole cell extracts 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

Non-infected (–) and infected (+) C6/36 whole cell extracts (15 μ g) 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. $20 \mu g$ 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

 $\label{thm:conjugated} The \ HRP-conjugated\ anti-mouse\ IgG\ antibody\ (GTX213111-01)\ was\ used\ to\ detect\ the\ primary\ antibody.$

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.



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