

Dengue virus Envelope protein antibody

Cat. No. GTX127277

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application	WB, ICC/IF, IHC-P, ELISA, IHC-P (cell pellet)
Reactivity	Dengue virus 2

Reference (34)

Package

100 µl, 25 µl

APPLICATION

Application Note

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

Suggested dilution	Recommended dilution
WB	1:5000-1:20000
ICC/IF	1:100-1:2000
IHC-P	1:100-1:1000
ELISA	Assay dependent
IHC-P (cell pellet)	Assay dependent

Not tested in other applications.

Calculated MW 54 kDa. ([Note](#))

Product Note

This antibody was raised against Dengue virus 2 Envelope protein, which may cross react with Envelope protein of Dengue virus 3 but does not recognize with Envelope protein of JEV.

PROPERTIES

Form	Liquid
Buffer	PBS, 20% Glycerol
Preservative	0.025% ProClin 300
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	1.33 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant protein encompassing a sequence within the center region of Dengue virus Envelope protein (Dengue virus 2 (strain 16681 PDK 53)). The exact sequence is proprietary.
Purification	Purified by antigen-affinity chromatography.
Conjugation	Unconjugated

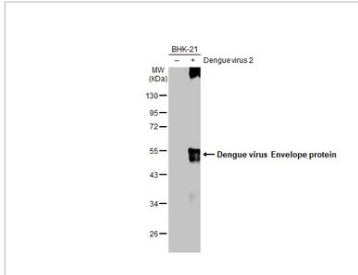


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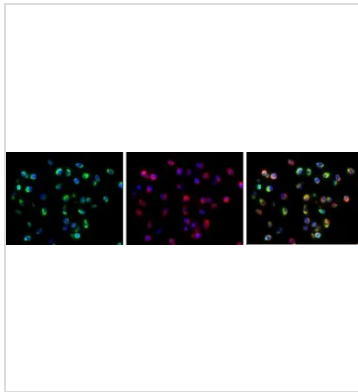
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Note

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DATA IMAGES

GTx127277 WB Image

Non-infected (–) and infected (+) BHK-21 whole cell extracts (5 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with Dengue virus Envelope protein antibody (GTx127277) diluted at 1:25000. The HRP-conjugated anti-rabbit IgG antibody (GTx213110-01) was used to detect the primary antibody.


GTx127277 IHC-P Image

Dengue virus Envelope protein antibody detects Dengue virus Envelope protein protein at cytoplasm by immunohistochemical analysis.

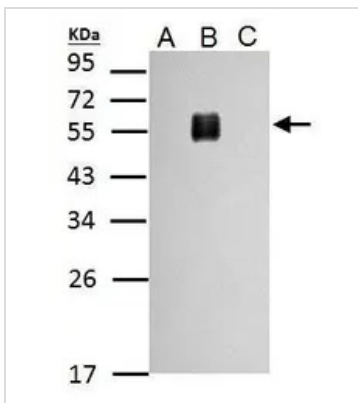
Sample: Paraffin-embedded BHK-21 infected with dengue virus.

Green: Dengue virus Envelope protein stained by Dengue virus Envelope protein antibody (GTx127277) diluted at 1:2000.

Red: alpha Tubulin, a cytoskeleton marker, stained by alpha Tubulin antibody [GT114] (GTx628802) diluted at 1:1000.

Blue: Fluoroshield with DAPI (GTx30920).

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min


GTx127277 WB Image

Sample (20 µg of whole cell lysate)

A: BHK-21

B: Dengue virus 2 infected BHK-21

C: JEV infected BHK-21

12% SDS PAGE

GTx127277 diluted at 1:10000

The HRP-conjugated anti-rabbit IgG antibody (GTx213110-01) was used to detect the primary antibody.



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