

## Dengue virus Envelope protein antibody [GT643]

**Cat. No. GTX629117**

<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG2b
<b>Applications</b>	WB, ICC/IF, FCM, IHC-P (cell pellet)
<b>Reactivity</b>	Dengue virus 2, Dengue virus 4

References ( 8 )

Package

100 µl, 25 µl

## Applications

**Application Note**

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

Suggested dilution	Recommended dilution
WB	1:500-1:3000
ICC/IF	1:100-1:2000
FCM	Assay dependent
IHC-P (cell pellet)	Assay dependent

Not tested in other applications.

**Calculated MW** 51-60 kDa. ( [Note](#) )**Product Note** The validated Dengue virus serotype for each application may differ. Please refer to the validated data. This antibody does not cross-react with YFV, JEV, Zika, and CHIKV Envelope protein.

## Properties

<b>Form</b>	Liquid
<b>Buffer</b>	PBS
<b>Preservative</b>	No preservatives
<b>Storage</b>	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.
<b>Concentration</b>	1 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	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.
<b>Purification</b>	Affinity purified by Protein G.
<b>Conjugation</b>	Unconjugated

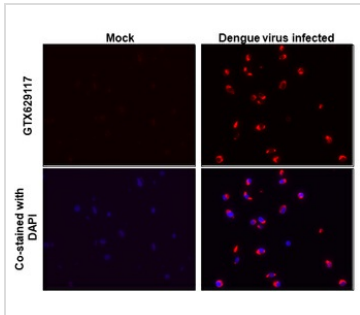


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**Note**  
 Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



**GTX629117 IHC-P (cell pellet) Image**

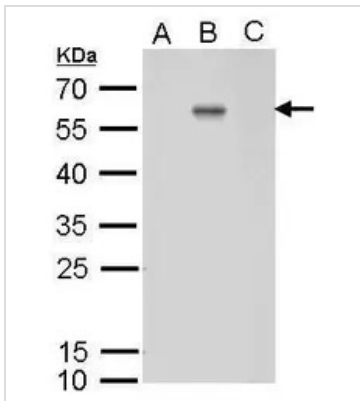
Dengue virus Envelope protein antibody [GT643] detects Dengue virus Envelope protein protein at cytoplasm by immunohistochemical analysis.

Sample: Paraffin-embedded dengue virus BHK-21.

Red: Dengue virus Envelope protein stained by Dengue virus Envelope protein antibody [GT643] (GTX629117) diluted at 1:2000.

Blue: Fluoroshield with DAPI (GTX30920).

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



**GTX629117 WB Image**

Envelop protein (Dengue virus 2) antibody [GT643] detects Envelop protein (Dengue virus 2) protein by western blot analysis.

A. 30 µg BHK21 whole cell lysate/extract

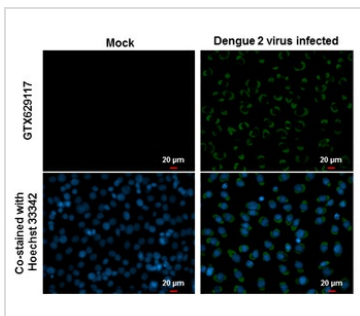
B. 30 µg whole cell lysate/extract of Dengue virus type 2 infected BHK21 cells

C. 30 µg whole cell lysate/extract of Japanese encephalitis virus infected BHK21 cells

12% SDS-PAGE

Envelop protein (Dengue virus 2) antibody [GT643] (GTX629117) dilution: 1:1000

The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



**GTX629117 ICC/IF Image**

Envelope protein (Dengue virus) antibody [GT643] detects Envelope protein (Dengue virus) protein at cytoplasm by immunofluorescent analysis.

Samples: BHK-21 cells mock (left) and infected with Dengue virus 2 (right) were fixed in paraformaldehyde.

Green: Envelope protein (Dengue virus) protein stained by Envelope protein (Dengue virus) antibody [GT643] (GTX629117) diluted at 1:2000.

Blue: Hoechst 33342 staining.



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