

Dengue virus Envelope protein antibody [GT643]

Cat. No. GTX629117

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Applications	WB, ICC/IF, FCM, IHC-P (cell pellet)
Reactivity	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

Form	Liquid
Buffer	PBS
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	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	Affinity purified by Protein G.
Conjugation	Unconjugated



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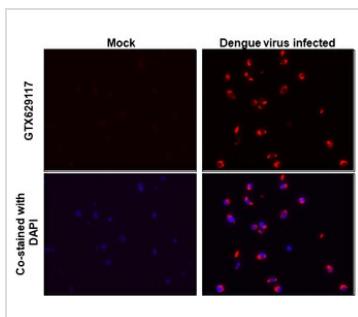
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For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

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

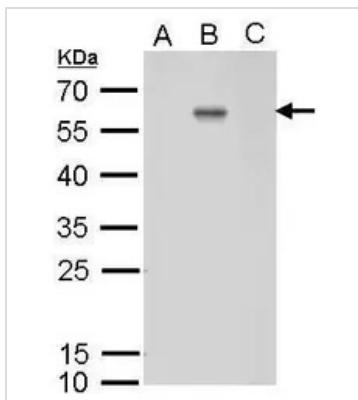
Dengue virus Envelope protein antibody [GT643] detects Dengue virus Envelope protein protein at cytoplasm by immunohistochemical analysis.

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

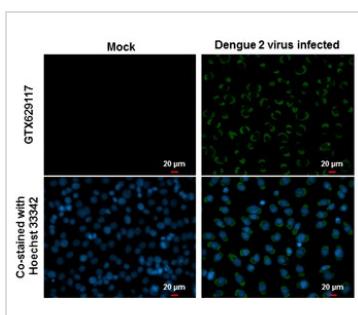
B. 30 µg whole cell lysate/extract of Dengue virus type 2 infected BHK21 cells

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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