Dengue virus Envelope protein antibody [GT214]

Cat. No. GTX629116

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Applications	WB, ICC/IF
Reactivity	Dengue virus 2, Dengue virus 4

References (2)
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

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 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 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	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

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

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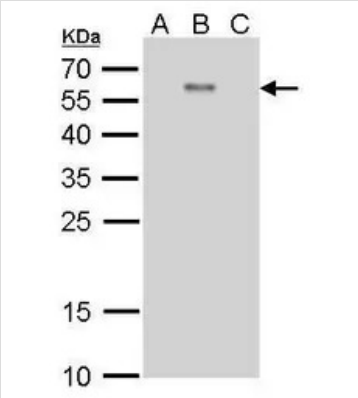
Note

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

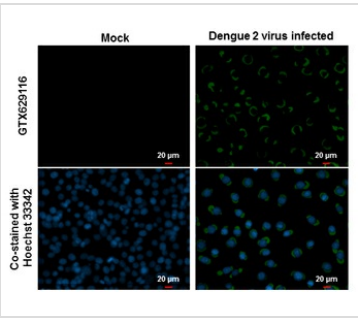
Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



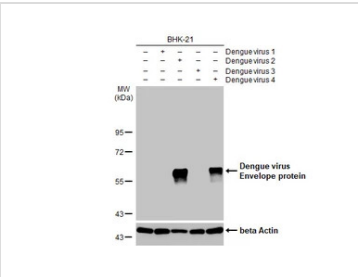
GTX629116 WB Image

Envelop protein (Dengue virus 2) antibody [GT214] 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 [GT214] (GTX629116) dilution: 1:5000
The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



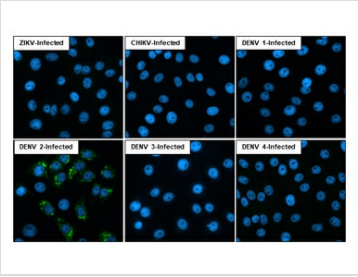
GTX629116 ICC/IF Image

Envelope protein (Dengue virus) antibody [GT214] 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 [GT214] (GTX629116) diluted at 1:2000.
Blue: Hoechst 33342 staining.



GTX629116 WB Image

Non-infected (–) and infected (+) BHK-21 whole cell extracts were separated by 10% SDS-PAGE, and the membrane was blotted with Dengue virus Envelope protein antibody [GT214] (GTX629116) diluted at 1:5000. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



GTX629116 ICC/IF Image

Immunofluorescent analysis of Dengue virus infected cells using Dengue virus Envelope protein antibody [GT214] antibody (GTX629116).
Sample: Multiple virus infected cells slide.
Green: Dengue virus Envelope protein antibody [GT214] antibody (GTX629116) diluted at 1:100.
Blue: Fluoroshield with DAPI (GTX30920).

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