

Dengue virus type 1 NS1 protein, His tag

Cat. No. GTX138149-pro

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|---------------------|-------------------------------------|
| Applications | ELISA, Lateral Flow, Sandwich ELISA |
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| Species | Dengue virus 1 |
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Package

100 µg

Applications

Application Note

Recommended antibody pairs for sandwich ELISA:

Capture : GTX639673 / GTX640511, Detection : GTX640511

Please notice that the detection antibody needs to be conjugated to HRP when paired with the capture antibody.

Please contact us for custom HRP-conjugated antibody.

Recommended antibody pairs for Lateral Flow:

Capture : GTX640510 / GTX640511, Detection : GTX640511

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| Observed MW (kDa) | 50 kDa. |
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Properties

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| Form | Lyophilized powder |
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| Buffer | Reconstitute with distilled water to 0.3 mg/ml. Lyophilized from PBS, 2% Trehalose, 5% Mannitol, 0.01% Tween 80. |
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|---------------------|------------------|
| Preservative | No preservatives |
|---------------------|------------------|

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| Storage | Store at 4°C or below. After reconstitution, keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles. For long-term storage after reconstitution, aliquot and store at -70°C or below. Do not vortex. |
|----------------|---|

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| Region/Sequence | C-terminal His tagged full-length Dengue virus type 1 NS1 protein (776-1127 a.a. of #ACF49259.1) |
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| Expression System | HEK293 cells |
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|---------------|------|
| Purity | >85% |
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| Conjugation | Unconjugated |
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Note

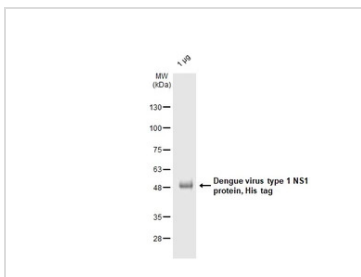
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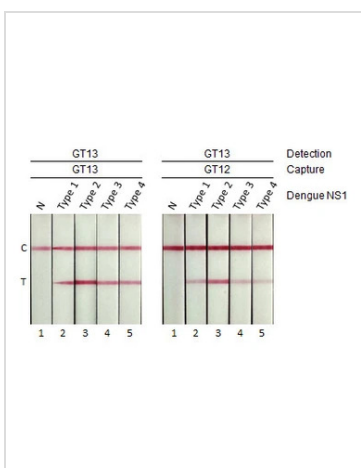
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DATA IMAGES



GTX138149-pro Image

GTX138149-pro Dengue virus type 1 NS1 protein, His tag was analyzed using SDS-PAGE and stained with coomassie blue and captured by monochrome camera.



GTX138149-pro Lateral Flow Image

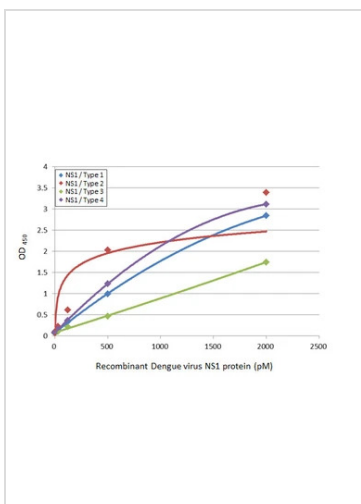
Detection of Dengue virus NS1 protein by lateral flow assay using the indicated recombinant mouse monoclonal antibodies.

GT12 : Dengue virus NS1 protein antibody [GT12] (GTX640510)

GT13 : Dengue virus NS1 protein antibody [GT13] (GTX640511)

Samples (40 ng) :

1. Running buffer (N)
2. Dengue virus type 1 NS1 protein (GTX138149-pro)
3. Dengue virus type 2 NS1 protein (GTX138150-pro)
4. Dengue virus type 3 NS1 protein
5. Dengue virus type 4 NS1 protein (GTX138152-pro)



GTX138149-pro ELISA Image

Sandwich ELISA detection of recombinant NS1 Protein(s) derived from different strains of Dengue virus (ie., Type 1; Type 2; Type 3; Type 4) using antibodies as below.

Capture: Dengue virus NS1 protein antibody [GT13] (GTX640511) (5 µg/mL)

Detection: HRP-conjugated Dengue virus NS1 protein antibody [GT13] (GTX640511) (1 µg/mL)

Please notice that GTX640511 needs to be conjugated to HRP to function as the detection antibody when paired with GTX640511. Please contact us for custom HRP-conjugated antibody.

Samples :

- NS1 / Type 1 : Dengue virus type 1 NS1 protein (GTX138149-pro)
- NS1 / Type 2 : Dengue virus type 2 NS1 protein (GTX138150-pro)
- NS1 / Type 3 : Dengue virus type 3 NS1 protein
- NS1 / Type 4 : Dengue virus type 4 NS1 protein (GTX138152-pro)



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