



# Mouse Anti-ZIKV(strain Zika SPH2015) NS1 monoclonal antibody, clone NN21 (CABT-ZB1010)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                           |                                                                                                                                                                                                                                                                                                                        |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Specificity</b>        | It reacts with ZIKV NS-1 protein                                                                                                                                                                                                                                                                                       |
| <b>Target</b>             | ZIKV                                                                                                                                                                                                                                                                                                                   |
| <b>Immunogen</b>          | Recombinant Zika virus (ZIKV) (strain Zika SPH2015) ZIKV-NS1 Protein                                                                                                                                                                                                                                                   |
| <b>Isotype</b>            | IgG1                                                                                                                                                                                                                                                                                                                   |
| <b>Source/Host</b>        | Mouse                                                                                                                                                                                                                                                                                                                  |
| <b>Species Reactivity</b> | ZIKV                                                                                                                                                                                                                                                                                                                   |
| <b>Clone</b>              | NN21                                                                                                                                                                                                                                                                                                                   |
| <b>Purification</b>       | Protein A purified                                                                                                                                                                                                                                                                                                     |
| <b>Conjugate</b>          | Unconjugated                                                                                                                                                                                                                                                                                                           |
| <b>Applications</b>       | <p>ELISA(det)</p> <p>We recommend the following for sandwich ELISA (Capture - Detection):</p> <p>CABT-ZB675 - CABT-ZB1010</p> <p>This antibody will detect Zika virus (ZIKV) (strain Zika SPH2015) ZIKV-NS1 in antibody pair set. [ABPR-ZB254]</p>                                                                     |
| <b>Preparation</b>        | <p>This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Zika virus (strain Zika SPH2015) ZIKV-NS1. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.</p> |

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| <b>Format</b>        | Purified, Liquid                                                                                                                                                                                                                                   |
| <b>Concentration</b> | Lot specific                                                                                                                                                                                                                                       |
| <b>Size</b>          | 50 µL, 100 µL, 1 mL                                                                                                                                                                                                                                |
| <b>Buffer</b>        | PBS                                                                                                                                                                                                                                                |
| <b>Preservative</b>  | None                                                                                                                                                                                                                                               |
| <b>Storage</b>       | This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles. |
| <b>Ship</b>          | Wet ice                                                                                                                                                                                                                                            |

## BACKGROUND

**Introduction** Zika virus NS1 antigen is one of seven non-structural proteins. NS1 is involved in RNA replication. The possible effects of NS1 on hosts include: localizes to host cell surface and secreted extracellularly, modulates signalling of the innate immune system, has possible damages to platelets and endothelial cells through anti-NS1 antibodies.

**Keywords** Zika virus; ZIKV; Flaviviridae; Flavivirus

## GENE INFORMATION

**Synonyms** Zika virus; ZIKV; Flaviviridae; Flavivirus