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Datasheet for ABIN7383928  
**anti-ZIKV E antibody**

### Overview

|              |                                       |
|--------------|---------------------------------------|
| Quantity:    | 50 µL                                 |
| Target:      | ZIKV E                                |
| Reactivity:  | Zika Virus (ZIKV)                     |
| Host:        | Mouse                                 |
| Clonality:   | Monoclonal                            |
| Conjugate:   | This ZIKV E antibody is un-conjugated |
| Application: | ELISA, Western Blotting (WB)          |

### Product Details

|               |  |
|---------------|--|
| Immunogen:    | Recombinant ZIKV (strain Zika SPH2015) Envelope protein (Domain III, His Tag), ABIN7198753 |
| Clone:        | 9  |
| Isotype:      | IgG1   |
| Specificity:  | Anti-Zika virus(ZIKV)(strain Zika SPH2015) ZIKV-E/Envelope Protein Monoclonal Antibody     |
| Purification: | Protein A Affinity   |

### Target Details

|                   |  |
|-------------------|--|
| Target:           | ZIKV E   |
| Alternative Name: | ZIKV Envelope Protein ( <a href="#">ZIKV E Products</a> )  |
| Background:       | E,Envelope Protein,Envelope of Zika virus is responsible for receptor binding and membrane. Analysis of the envelope protein of Zika, from Brazilian Zika SPH215 (KU321639), indicates |

## Target Details

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predicted B and T cell epitopes in peptides that are consistent to those reported for dengue, YFYF and Japanese encephalitis. The envelope Domain II B cell epitope, to which much dengue non-neutralizing cross reaction is attributed, is also conserved also in Zika virus, consistent with prior field observations of cross reactivity with dengue and YF. Domain III of the Zika envelope protein, likely the main specific neutralizing domain, is distinct from recent Brazilian dengue isolates and a recent Peruvian YF isolate (GQ379163), 76 % of possible major histocompatibility complex class (MHC) I and MHC II binding peptides and potential B cell linear epitopes are unique to Zika virus.

## Application Details

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Application Notes: WB 1:1000-1:5000 ELISA 1:1000-1:2000

Restrictions: For Research Use only

## Handling

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Concentration: 1 mg/mL

Buffer: 0.2 µm filtered solution in PBS

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.