

## Anti-Zika virus(ZIKV)(strain Zika SPH2015) ZIKV-E/Envelope protein(Domain III) Monoclonal Antibody

E-AB-V1334

<b>Application</b>	ELISA	<b>Host</b>	Rabbit
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles.	<b>Clone No.</b>	033

**Important Note** Centrifuge before opening to ensure complete recovery of vial contents.

### Product Details

<b>Immunogen</b>	Recombinant ZIKV (strain Zika SPH2015) Envelope protein (Domain III, His Tag)
<b>Isotype</b>	IgG
<b>Host</b>	Rabbit
<b>Clone No.</b>	033
<b>Reactivity</b>	Zika Virus
<b>Dilution</b>	ELISA 1:1000-10000
<b>Storage Buffer</b>	0.2 µm filtered solution in PBS
<b>Stability &amp; Storage</b>	Ships on ice packs. Store at -20°C
<b>Description</b>	This antibody was obtained from a rabbit immunized with purified Recombinant ZIKV (strain Zika SPH2015) Envelope protein (Domain III, His Tag). And the antibody was purified by Protein A Affinity.

### Antigen Information

<b>Alternate Names</b>	E,Envelope Protein
<b>Background</b>	Envelope of Zika virus is responsible for receptor binding and membrane. Analysis of the envelope protein of Zika, from Brazilian Zika SPH215 (KU321639), indicates 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.

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Applications: Activ- Activation; Block- Blocking; Separation- Cell Separation ; Cell Sep-Neg- Cell Separation by Negative Selection; FA- Functional Assay; Neut- Neutralization; Stim- Stimulation; FCM- Flow Cytometry; ICFM: Intracellular Staining for Flow Cytometry; WB- Western Blotting; IHC- Immunohistochemistry; IF- Immunofluorescence; IP- Immunoprecipitation