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Datasheet for ABIN7383931
anti-ZIKV E antibody

Overview

Quantity:	50 µL
Target:	ZIKV E
Reactivity:	Zika Virus (ZIKV)
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This ZIKV E antibody is un-conjugated
Application:	ELISA

Product Details

Immunogen:	Recombinant ZIKV (strain Zika SPH2015) Envelope protein (Domain III, His Tag), ABIN7198753
Clone:	33
Isotype:	IgG
Specificity:	Anti-Zika virus(ZIKV)(strain Zika SPH2015) ZIKV-E/Envelope protein(Domain III) Monoclonal Antibody
Purification:	Protein A Affinity

Target Details

Target:	ZIKV E
Alternative Name:	ZIKV Envelope Protein (ZIKV E Products)
Background:	E,Envelope Protein,Envelope of Zika virus is responsible for receptor binding and membrane.

Target Details

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.

Application Details

Application Notes: ELISA 1:1000-10000

Restrictions: For Research Use only

Handling

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.