

Anti-Zika virus (ZIKV) (strain Zika SPH2015) E/Envelope protein Antibody (60671)

Product Details

Ig Type:	Mouse IgG1
Conjugation:	Unconjugated
Clone:	60671
Purification:	Protein A

Applications

Verified Activity:	Anti-Zika virus (ZIKV) (strain Zika SPH2015) ZIKV-E / Envelope protein (Domain III) mouse monoclonal antibody at 1:1000 dilution -Sample: Zika virus (ZIKV) (strain Zika SPH2015) ZIKV-E / Envelope protein (Domain III,His Tag) -Lane A: 30ng -Lane B: 10ng -Secondary -Goat Anti-Mouse IgG (H+L)/HRP at 1/10000 dilution. -Developed using the ECL technique. -Performed under reducing conditions.
Application:	ELISA,WB
Recommended	WB: 1:1000-1:5000; ELISA: 1:1000-1:2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Zika virus (ZIKV) (strain Zika SPH2015) ZIKV-E / Envelope Protein Protein (TMPY-04868)
Antigen Species:	ZIKV

Research Background

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 with 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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