Data Sheet (Cat.No.TMAY-02946H)

TargetMol

Anti-Zika virus (ZIKV) (strain Zika SPH2015) E/Envelope protein (Domain III) Antibody-HRP (2E354)

Product Details

Ig Type:	Rabbit IgG
Conjugation:	HRP
Clone:	2E354
Purification:	Protein A

Applications

Application:	ELISA
Recommended	ELISA: 0.1-1 μg/ml

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. Keep away from direct sunlight.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Zika virus (ZIKV) (strain Zika SPH2015) ZIKV-E / Envelope protein (Domain III) 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.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481