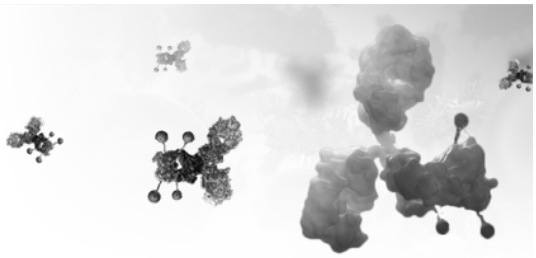

Mouse Anti-ZIKV(strain Zika SPH2015) Envelope Protein monoclonal antibody, clone NN46 (CABT-ZB465)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	It reacts with ZIKV Envelope
Target	ZIKV Envelope
Immunogen	Recombinant Zika virus (strain Zika SPH2015) Envelope Protein (ZIKV-E) Protein
Isotype	IgG
Source/Host	Mouse
Species Reactivity	ZIKV
Clone	NN46
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA(cap) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB465 - CABT-ZB852 This antibody will detect Zika virus (strain Zika SPH2015) Envelope Protein (ZIKV-E) in antibody pair set. [ABPR-ZB040]
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Zika virus (strain Zika SPH2015) Envelope Protein (ZIKV-E). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Format	Purified, Liquid
Concentration	Lot specific
Size	50 µL, 100 µL, 1 mL
Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	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.
Keywords	ZIKV; Zika virus; ZIKV Envelope Protein; ZIKV E Protein

GENE INFORMATION

Synonyms	ZIKV; Zika virus; ZIKV Envelope Protein; ZIKV E Protein; Zika virus Envelope Protein

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