



# Rabbit Anti-ZIKV(strain Zika SPH2015) Envelope Protein monoclonal antibody, clone S144 (CABT-ZB852)

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

## PRODUCT INFORMATION

<b>Specificity</b>	It reacts with ZIKV Envelope
<b>Target</b>	ZIKV Envelope
<b>Immunogen</b>	Recombinant Zika virus (ZIKV) (strain Zika SPH2015) ZIKV-E/Envelope protein (Domain III) Protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	ZIKV
<b>Clone</b>	S144
<b>Purification</b>	Protein A purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	<p>ELISA(det)</p> <p>We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB465 - CABT-ZB852</p> <p>This antibody will detect Zika virus (strain Zika SPH2015) Envelope Protein (ZIKV-E) in antibody pair set. [ABPR-ZB040]</p>
<b>Preparation</b>	This antibody was obtained from a rabbit immunized with purified, recombinant Zika virus.
<b>Format</b>	Purified, Liquid

<b>Concentration</b>	Lot specific
<b>Size</b>	50 µL, 100 µL, 1 mL
<b>Buffer</b>	PBS
<b>Preservative</b>	None
<b>Storage</b>	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.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</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 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.
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<b>Keywords</b>	ZIKV; Zika virus; ZIKV Envelope Protein; ZIKV E Protein
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## GENE INFORMATION

<b>Synonyms</b>	ZIKV; Zika virus; ZIKV Envelope Protein; ZIKV E Protein; Zika virus Envelope Protein
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