



**User's Manual**

# **Zika virus (strain Zika SPH2015) Envelope Protein (ZIKV-E) Antibody Pair Set**

**REF**

**ABPR-ZB040**



**5 Plates, 15 Plates**

**RUO**

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

For illustrative purposes only. To perform the assay the instructions for use provided with the kit have to be used.

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**Creative Diagnostics**

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## PRODUCT INFORMATION

### Intended Use

Quantitative determination of ZIKV Envelope

### General Description

ABPR-ZB040 is a solid phase sandwich ELISA for quantitative determination of ZIKV Envelope.

### Reagents And Materials Provided

1. Capture Antibody: 0.5 mg/mL of mouse anti-Zika virus (strain Zika SPH2015) Envelope Protein (ZIKV-E) monoclonal antibody [CABT-ZB465] (in PBS, pH 7.4).
2. Detection Antibody: 0.2 mg/mL of rabbit anti-Zika virus (strain Zika SPH2015) Envelope Protein (ZIKV-E) monoclonal antibody [CABT-ZB852] conjugated to HRP (in PBS, 50 % HRP-Protector, pH 7.4, store at 4°C).
3. Standard: Each vial contains 510 ng of recombinant Zika virus (strain Zika SPH2015) Envelope Protein (ZIKV-E).

### Reconstitution And Storage

#### Reconstitution

1. Capture Antibody: Dilute to a working concentration of 2 µg/mL in PBS before coating.
2. Detection Antibody: Dilute to working concentration of 0.8 µg/mL in detection antibody dilution buffer before use.
3. Standard: Reconstitute with 1 mL detection antibody dilution buffer.

#### Storage

1. Capture Antibody: Aliquot and store at -20°C to -80°C for up to 6 months from date of receipt. Avoid repeated freeze-thaw cycles.
2. Detection Antibody: Store at 4°C and protect it from prolonged exposure to light for up to 6 months from date of receipt. DO NOT FREEZE!
3. Standard: Store lyophilized standard at -20°C to -80°C for up to 6 months from date of receipt. Aliquot and store the reconstituted Standard at -80°C for up to 1 month. Avoid repeated freeze-thaw cycles.

### Detection Range

Assay range: 125-8000 pg/mL