



**User's Manual**

# Human Carbonic Anhydrase XIV Antibody Pair Set



**ABPR-ZB326**



**5 Plates, 15 Plates**



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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## PRODUCT INFORMATION

### Intended Use

Quantitative determination of Human Carbonic Anhydrase XIV

### General Description

ABPR-ZB326 is a solid phase sandwich ELISA for quantitative determination of Human Carbonic Anhydrase XIV.

### Reagents And Materials Provided

1. Capture Antibody: 0.5 mg/mL of rabbit anti-CA14 monoclonal antibody [CABT-ZB746].
2. Detection Antibody: 0.5 mg/mL rabbit anti-CA14 polyclonal antibody conjugated to HRP.
3. Standard: Each vial contains 235 ng of recombinant CA14.

### Reconstitution And Storage

#### Reconstitution

1. Capture Antibody: Dilute to a working concentration of 2 µg/mL in CBS before coating.
2. Detection Antibody: Dilute to working concentration of 0.25 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: Protect it from prolonged exposure to light. Aliquot and store at -20°C to -80°C and for up to 6 months from date of receipt. Avoid repeated freeze-thaw cycles.
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