

**DATA SHEET**

**Product Name:** ACE2 (Human) ELISA Kit

**Catalog #:** CV-4000

**Size:** 1 kit - 100 Assays

**Sample Type:** Serum, Plasma

**Components:** Micro ELISA Plate | 8 x 12 strips  
Lyophilized Standard | 2 vials  
Sample / Standard dilution buffer | 20 ml  
Biotin- detection antibody (Concentrated) | 120 µl  
Antibody dilution buffer | 10 ml  
HRP-Streptavidin Conjugate (SABC) (Avoid light) | 120 µl  
SABC dilution buffer | 10 ml  
TMB substrate (Avoid light) | 10 ml  
Stop Solution | 10 ml  
Wash buffer (25X) | 30 ml  
Plate sealers | 5

**Storage:** The entire kit may be stored at 4°C for up to 6 months from the date of shipment.

**Description:** Angiotensin-converting enzyme, or ACE, is a central component of the reninangiotensin system (RAS), which controls blood pressure by regulating the volume of fluids in the body. It converts the hormone angiotensin I to the active vasoconstrictor angiotensin II. Therefore, ACE indirectly increases blood pressure by causing blood vessels to constrict. ACE2 ELISA kit is a sandwich ELISA assay for the quantitative measurement of ACE2 in Human serum, plasma and cell culture supernatants. The density of color is proportional to the amount of ACE2 captured from the samples.

**Application:** This ELISA kit is used for in vitro quantitative determination of ACE2 in Human samples. Detection Range: 0.391-25 ng/ml Sensitivity: < 0.234 ng/ml Assay Precision: Intra-Assay: CV < 8%; Inter-Assay: CV < 10% (CV (%) = SD/mean X 100) This assay has high sensitivity and excellent specificity for detection of ACE2. No significant cross-reactivity or interference between ACE2 and analogues was observed.

***For research use only. Not for use in humans.***