

## Sheep Angiotensin Converting Enzyme 1 (ACE) ELISA Kit-Sandwich

**Cat. No.: EK12F855**

**Product Type: Animal Immunoassay Kits**

**Size: 48T;96T**

### Product Overview

BioVenic Sheep Angiotensin Converting Enzyme 1 (ACE) ELISA Kit-Sandwich is designed for the quantitative determination of Sheep Angiotensin Converting Enzyme 1 (ACE) in serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids using a Sandwich ELISA method. For research use only.

### Specifications

|                    |                                                                                                        |
|--------------------|--------------------------------------------------------------------------------------------------------|
| Assay Type         | ELISA-Sandwich                                                                                         |
| Specificity        | The assay kit is specific for Sheep ACE.                                                               |
| Target Species     | Ovine                                                                                                  |
| Species Reactivity | Ovine                                                                                                  |
| Detection Range    | 0.781-50 ng/mL                                                                                         |
| Sensitivity        | 0.47 ng/mL                                                                                             |
| Recovery           | 85%-104%                                                                                               |
| Reproducibility    | Intra-Assay: CV < 10%; Inter-Assay: CV < 10%                                                           |
| Assay Time         | Around 270 min                                                                                         |
| Sample Requirement | Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids. |

### Target Information

Angiotensin-converting enzyme (ACE), also known as ACE1, is a central component of the renin-angiotensin system (RAS). This system regulates blood pressure by controlling the volume of fluids in the body. ACE converts the hormone angiotensin I to the active vasoconstrictor angiotensin II. Angiotensin Converting Enzyme 1 is encoded by the *ACE* gene in sheep. It is a significant enzyme that regulates blood pressure.

|                  |                                                                                                                                                                                                                                                 |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target/Biomarker | Sheep ACE                                                                                                                                                                                                                                       |
| Target Synonym   | ACE; CD143; DCP1; kininase II; ACE1angiotensin converting enzyme, somatic isoform; angiotensin I converting enzyme; peptidyl-dipeptidase A 1; carboxycathepsin; CD143; CD143 antigen; DCP; DCP1angiotensin-converting enzyme; dipeptidyl carbox |

ypeptidase 1; dipeptidyl carboxypeptidase I; Kininase II; MVCD3; peptidase P; testicular ECA

---

|         |                        |
|---------|------------------------|
| Gene ID | <a href="#">554335</a> |
|---------|------------------------|

---

## Shipping and Storage

This product is shipped with gel ice packs. It is recommended to store at 2-8 °C (Up to 6 months).

---

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.