

## Swine Allopregnanolone (ALLO) ELISA Kit-Competitive

**Cat. No.: EK2F47**

**Product Type: Animal Immunoassay Kits**

**Size: 96T**

### Product Overview

BioVenic Swine Allopregnanolone (ALLO) ELISA Kit-Competitive is designed for the quantitative determination of Swine Allopregnanolone (ALLO) in serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids using a Competitive ELISA method. For research use only.

### Specifications

|                    |                                                                                                        |
|--------------------|--------------------------------------------------------------------------------------------------------|
| Assay Type         | ELISA-Competitive                                                                                      |
| Specificity        | The assay kit is specific for Swine ALLO.                                                              |
| Target Species     | Swine                                                                                                  |
| Species Reactivity | Swine                                                                                                  |
| Detection Range    | 1.57-100 ng/mL                                                                                         |
| Sensitivity        | 0.55 ng/mL                                                                                             |
| Reproducibility    | Intra-Assay: CV < 10%; Inter-Assay: CV < 10%                                                           |
| Assay Time         | Around 120 min                                                                                         |
| Sample Requirement | Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids. |

### Target Information

3 $\alpha$ ,5 $\alpha$ -Tetrahydro Progesterone (3 $\alpha$ ,5 $\alpha$ -THP), also known as allopregnanolone (ALLO), is a neurosteroid synthesized in the body from progesterone. It acts as a positive allosteric modulator of the GABA A receptor, enhancing the inhibitory effects of the neurotransmitter GABA. It is a potent sedative, anxiolytic, and anticonvulsant. It enhances the inhibitory effects of GABA, leading to reduced neuronal excitability. In a porcine model, allopregnanolone was associated with lower aggression in social encounters.

|                  |                                                      |
|------------------|------------------------------------------------------|
| Target/Biomarker | Swine ALLO                                           |
| Target Synonym   | THP; 3 $\alpha$ ,5 $\alpha$ -Tetrahydro Progesterone |

### Shipping and Storage

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

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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.