

## Bovine Cyclin-Dependent Kinase 1 (CDK1) ELISA Kit-Sandwich

**Cat. No.: EK12F3**

**Product Type: Animal Immunoassay Kits**

**Size: 48T;96T**

### Product Overview

BioVenic Bovine Cyclin-Dependent Kinase 1 (CDK1) ELISA Kit-Sandwich is designed for the quantitative determination of Bovine Cyclin-Dependent Kinase 1 (CDK1) 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 Bovine CDK1.                                                             |
| Target Species     | Bovine                                                                                                 |
| Species Reactivity | Bovine                                                                                                 |
| Detection Range    | 0.156-10 ng/mL                                                                                         |
| 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

Cyclin-dependent kinase 1 (CDK1), also known as cell division cycle protein 2 homolog, is a highly conserved protein that functions as a serine/threonine protein kinase. It plays a key role in cell cycle regulation. Bovine Cyclin-Dependent Kinase 1 is encoded by the *CDK1* gene in cattle. It is the founding member of the CDK family and is conserved across all eukaryotes.

|                  |                                                                                                                                                                                                     |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target/Biomarker | Bovine CDK1                                                                                                                                                                                         |
| Target Synonym   | cyclin dependent kinase 1; CDC2; cyclin-dependent kinase 1; cell division control protein 2 homolog; cell division cycle 2, G1 to S and G2 to M; cell division protein kinase 1; p34 protein kinase |
| Gene ID          | <a href="#">281061</a>                                                                                                                                                                              |
| UniProt ID       | <a href="#">P48734</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).

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## Reference

Brown, N. R. *et al.* CDK1 structures reveal conserved and unique features of the essential cell cycle CDK. *Nature communications*. 2015, 6: 6769.

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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.