

## Goat Cyclin Dependent Kinase 1 ELISA Kit | CDK-1 elisa kit

Goat Cyclin Dependent Kinase 1 ELISA Kit

CATALOG #  
**AAA94212**

REACTIVITY  
**Goat**

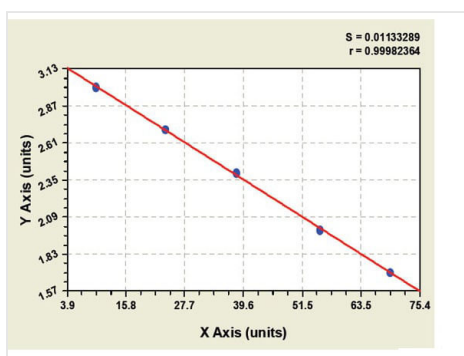
### PRODUCT SYNONYMS

Cyclin Dependent Kinase 1; Goat Cyclin Dependent Kinase 1 ELISA Kit; CDK-1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Goat                                                                       |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate |
| Assay Type              | Competitive                                                                |
| Sensitivity             | 1.0 pg/mL.                                                                 |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

**Related Product Information for CDK-1 elisa kit**

**Intended Uses:** This CDK-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat CDK-1. This ELISA kit for research use only!

**Principle of the Assay:** CDK-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CDK-1 antibody and an CDK-1-HRP conjugate. The assay sample and buffer are incubated together with CDK-1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CDK-1 concentration since CDK-1 from samples and CDK-1-HRP conjugate compete for the anti-CDK-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CDK-1 from the sample, fewer sites are left to bind CDK-1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CDK-1 concentration in each sample is interpolated from this standard curve.

**Product Categories/Family for CDK-1 elisa kit**

Cell Biology

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4502709                                                                                                                                                                                        |
| NCBI GeneID                      | 983                                                                                                                                                                                            |
| NCBI Accession #                 | NP_001777.1                                                                                                                                                                                    |
| NCBI GenBank Nucleotide #        | NM_001786.4                                                                                                                                                                                    |
| Molecular Weight                 | 27,503 Da                                                                                                                                                                                      |
| NCBI Official Full Name          | cyclin-dependent kinase 1 isoform 1                                                                                                                                                            |
| NCBI Official Synonym Full Names | cyclin-dependent kinase 1                                                                                                                                                                      |
| NCBI Official Symbol             | CDK1                                                                                                                                                                                           |
| NCBI Official Synonym Symbols    | CDC2; CDC28A; P34CDC2                                                                                                                                                                          |
| NCBI Protein Information         | cyclin-dependent kinase 1; p34 protein kinase; cell cycle controller CDC2; cell division protein kinase 1; cell division control protein 2 homolog; cell division cycle 2, G1 to S and G2 to M |
| UniProt Protein Name             | Cyclin-dependent kinase 1                                                                                                                                                                      |
| UniProt Gene Name                | CDK1                                                                                                                                                                                           |
| UniProt Synonym Gene Names       | CDC2; CDC28A; CDKN1; P34CDC2; CDK1                                                                                                                                                             |
| UniProt Entry Name               | CDK1_HUMAN                                                                                                                                                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/cdk-1-goat-elisa-kits/cyclin-dependent-kinase-1/94212>