

## Goat Cyclin Dependent Kinase 7 ELISA Kit | CDK-7 elisa kit

Goat Cyclin Dependent Kinase 7 ELISA Kit

CATALOG #  
**AAA89165**

REACTIVITY  
**Goat**

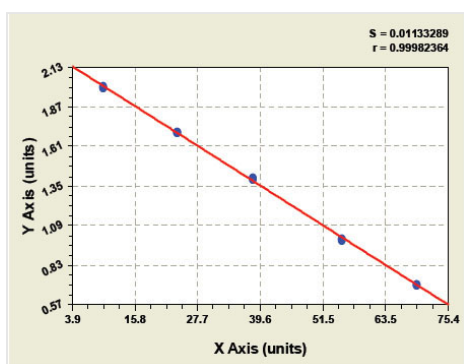
### PRODUCT SYNONYMS

Cyclin Dependent Kinase 7; Goat Cyclin Dependent Kinase 7 ELISA Kit; CDK-7 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Goat                                                                                                                                                                                  |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                            |
| Assay Type              | Competitive                                                                                                                                                                           |
| Sensitivity             | 1.0 U/L                                                                                                                                                                               |
| Intended Uses           | This CDK7 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat CDK7. This ELISA kit for research use only, not for therapeutic applications! |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                   |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for CDK-7 elisa kit

**Principle of the Assay:** CDK7 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CDK7 antibody and an CDK7-HRP conjugate. The assay sample and buffer are incubated together with CDK7-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 CDK7 concentration since CDK7 from samples and CDK7-HRP conjugate compete for the anti-CDK7 antibody binding site. Since the number of sites is limited, as more sites are occupied by CDK7 from the sample, fewer sites are left to bind CDK7-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CDK7 concentration in each sample is interpolated from this standard curve.

#### Product Categories/Family for CDK-7 elisa kit

Cell Biology

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4502743                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| NCBI GeneID                      | 1022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| NCBI Accession #                 | NP_001790.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| NCBI GenBank Nucleotide #        | NM_001799.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Molecular Weight                 | 39,038 Da                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| NCBI Official Full Name          | cyclin-dependent kinase 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| NCBI Official Synonym Full Names | cyclin-dependent kinase 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| NCBI Official Symbol             | CDK7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| NCBI Official Synonym Symbols    | CAK1; HCAK; MO15; STK1; CDKN7; p39MO15                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| NCBI Protein Information         | cyclin-dependent kinase 7; CAK; p39 Mo15; protein kinase; 39 KDa protein kinase; kinase subunit of CAK; CDK-activating kinase 1; serine/threonine kinase stk1; cell division protein kinase 7; serine/threonine protein kinase 1; serine/threonine-protein kinase 1; serine/threonine protein kinase MO15; homolog of Xenopus MO15 Cdk-activating kinase; TFIIF basal transcription factor complex kinase subunit; cyclin-dependent kinase 7 (MO15 homolog, Xenopus laevis, cdk-activating kinase) |
| UniProt Protein Name             | Cyclin-dependent kinase 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| UniProt Gene Name                | CDK7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| UniProt Synonym Gene Names       | CAK; CAK1; CDKN7; MO15; STK1; p39 Mo15                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| UniProt Entry Name               | CDK7_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.

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Online datasheet: <https://stage.aaabiotech.com/cdk-7-goat-elisa-kits/cyclin-dependent-kinase-7/89165>