

## Sheep Cyclin D ELISA Kit | CD elisa kit

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CATALOG #  
**AAA94838**

REACTIVITY  
**Sheep**

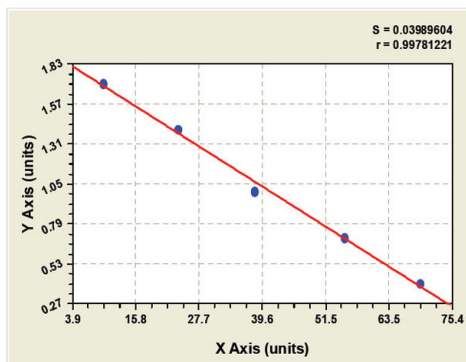
### PRODUCT SYNONYMS

Cyclin D; Sheep Cyclin D ELISA Kit; CD elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Sheep                                                                      |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate |
| Assay Type              | Competitive                                                                |
| Detection Range         | 0.5-10ng/mL                                                                |
| Sensitivity             | 0.1ng/mL                                                                   |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for CD elisa kit

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

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

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                           |
|----------------------------------|-----------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 181245                                                                                                    |
| NCBI GeneID                      | 595                                                                                                       |
| Molecular Weight                 | 33,729 Da                                                                                                 |
| NCBI Official Full Name          | cyclin D                                                                                                  |
| NCBI Official Synonym Full Names | cyclin D1                                                                                                 |
| NCBI Official Symbol             | CCND1                                                                                                     |
| NCBI Official Synonym Symbols    | BCL1; PRAD1; U21B31; D11S287E                                                                             |
| NCBI Protein Information         | G1/S-specific cyclin-D1; BCL-1 oncogene; PRAD1 oncogene; B-cell CLL/lymphoma 1; B-cell lymphoma 1 protein |
| UniProt Protein Name             | G1/S-specific cyclin-D1                                                                                   |
| UniProt Gene Name                | <b>CCND1</b>                                                                                              |
| UniProt Synonym Gene Names       | BCL1; PRAD1; BCL-1                                                                                        |
| UniProt Entry Name               | CCND1_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.