

Rat Cyclin D1 (CCND1) ELISA Kit | CCND1 elisa kit

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CATALOG #
AAA148525

REACTIVITY
Rat

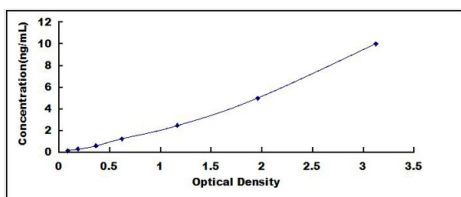
PRODUCT SYNONYMS

Cyclin D1 (CCND1); Rat Cyclin D1 (CCND1) ELISA Kit; CCN-D1; BCL1; PRAD1; U21B31; G1/S-Specific Cyclin-D1; Parathyroid Adenomatosis 1; B-Cell CLL/Lymphoma 1; G1/S-Specific Cyclin D1; PRAD1 oncogene; CCND1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Cyclin D1 (CCND1). No significant cross-reactivity or interference between Cyclin D1 (CCND1) and analogues was observed.
Sequence Length	295
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.064ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Cyclin D1 (CCND1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Cyclin D1 (CCND1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CCND1 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Cyclin D1 (CCND1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Cyclin D1 (CCND1). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Cyclin D1 (CCND1), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Cyclin D1 (CCND1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for CCND1 elisa kit	Tumor immunity; Developmental science

NCBI AND UNIPROT INFORMATION

NCBI GI #	148356229
NCBI GeneID	58919
NCBI Accession #	NP_741989.3
NCBI GenBank Nucleotide #	NM_171992.4
UniProt Accession #	P39948
Molecular Weight	33,483 Da
NCBI Official Full Name	G1/S-specific cyclin-D1
NCBI Official Synonym Full Names	cyclin D1
NCBI Official Symbol	Ccnd1
NCBI Protein Information	G1/S-specific cyclin-D1
UniProt Protein Name	G1/S-specific cyclin-D1
UniProt Gene Name	Ccnd1

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.