

Human Cyclin D2 (CCND2) ELISA Kit | CCND2 elisa kit

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CATALOG #
AAA137079

REACTIVITY
Human

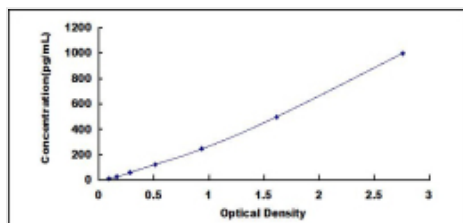
PRODUCT SYNONYMS

Cyclin D2 (CCND2); Human Cyclin D2 (CCND2) ELISA Kit; CCN-D2; G1/S-Specific Cyclin-D2; CCND2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Cyclin D2 (CCND2). No significant cross-reactivity or interference between Cyclin D2 (CCND2) and analogues was observed.
Sequence Length	240
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	6.0pg/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 D2 (CCND2) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Cyclin D2 (CCND2) 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 CCND2 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 D2 (CCND2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Cyclin D2 (CCND2). 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 D2 (CCND2), 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 D2 (CCND2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for CCND2 elisa kit	Tumor immunity; Developmental science

NCBI AND UNIPROT INFORMATION

NCBI GI #	180010
NCBI GeneID	894
UniProt Accession #	P30279; Q13955; Q5U035; A8K531
Molecular Weight	24,461 Da
NCBI Official Full Name	cyclin D2, partial
NCBI Official Synonym Full Names	cyclin D2
NCBI Official Symbol	CCND2
NCBI Official Synonym Symbols	MPPH3; KIAK0002
NCBI Protein Information	G1/S-specific cyclin-D2
UniProt Protein Name	G1/S-specific cyclin-D2
UniProt Gene Name	CCND2
UniProt Entry Name	CCND2_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.