

Rat Cyclin D ELISA Kit | CD elisa kit

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CATALOG #
AAA82407

REACTIVITY
Rat

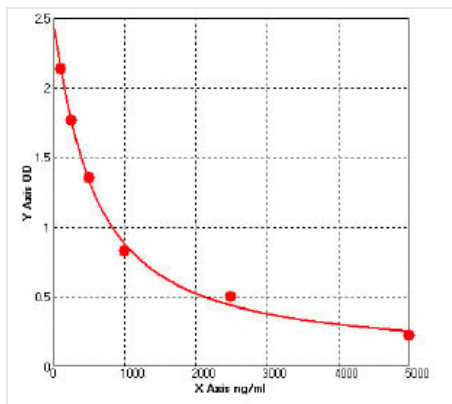
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of CCND. No significant cross-reactivity or interference between CCND and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CCND and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/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 CCND ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CCND. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: CCND ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CCND antibody and an CCND-HRP conjugate. The assay sample and buffer are incubated together with CCND-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 CCND concentration since CCND from samples and CCND-HRP conjugate compete for the anti-CCND antibody binding site. Since the number of sites is limited, as more sites are occupied by CCND from the sample, fewer sites are left to bind CCND-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CCND concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CD elisa kit	Cell Biology

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	CCND1
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.

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Online datasheet: <https://stage.aaabiotech.com/cd-rat-elisa-kits/cyclin-d/82407>