

Rat Cyclin D2 ELISA Kit | CCND2 elisa kit

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CATALOG #
AAA85746

REACTIVITY
Rat

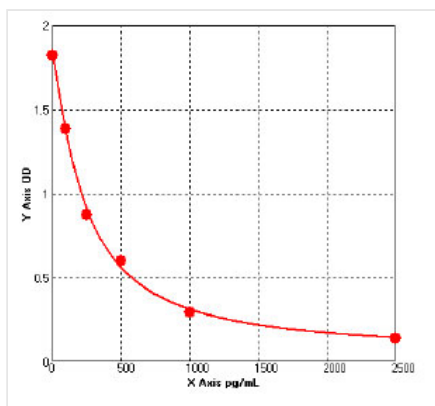
PRODUCT SYNONYMS

Cyclin D2; Rat Cyclin D2 ELISA Kit; CCND2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of CCND2. No significant cross-reactivity or interference between CCND2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CCND2 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 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CCND2 elisa kit	Intended Uses: This CCND2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CCND2. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: CCND2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CCND2 antibody and an CCND2-HRP conjugate. The assay sample and buffer are incubated together with CCND2-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 CCND2 concentration since CCND2 from samples and CCND2-HRP conjugate compete for the anti-CCND2 antibody binding site. Since the number of sites is limited, as more sites are occupied by CCND2 from the sample, fewer sites are left to bind CCND2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CCND2 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CCND2 elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	119609257
NCBI GeneID	894
Molecular Weight	33,067 Da
NCBI Official Full Name	cyclin D2
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.

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Online datasheet: <https://stage.aaabiotech.com/ccnd2-rat-elisa-kits/cyclin-d2/85746>