

Rat Cyclin D3 ELISA Kit | CCND3 elisa kit

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CATALOG #
AAA83018

REACTIVITY
Rat

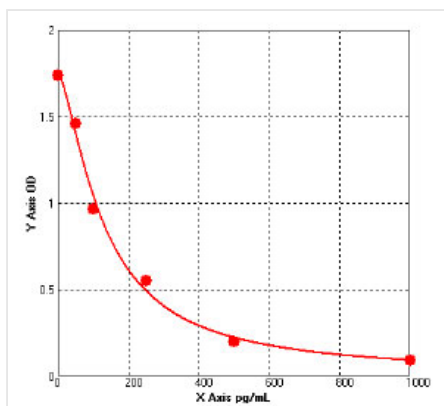
PRODUCT SYNONYMS

Cyclin D3; Rat Cyclin D3 ELISA Kit; CCND3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of CCND3. No significant cross-reactivity or interference between CCND3 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CCND3 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 CCND3 elisa kit	Intended Uses: This CCND3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CCND3. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: CCND3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CCND3 antibody and an CCND3-HRP conjugate. The assay sample and buffer are incubated together with CCND3-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 CCND3 concentration since CCND3 from samples and CCND3-HRP conjugate compete for the anti-CCND3 antibody binding site. Since the number of sites is limited, as more sites are occupied by CCND3 from the sample, fewer sites are left to bind CCND3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CCND3 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CCND3 elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	49457486
NCBI GeneID	896
UniProt Accession #	P30281; Q5T8J0; Q6FG62; Q96F49; B2RD63; B3KQ22; E9PAS4; E9PB36
Molecular Weight	9,736 Da
NCBI Official Full Name	CCND3
NCBI Official Synonym Full Names	cyclin D3
NCBI Official Symbol	CCND3
NCBI Protein Information	G1/S-specific cyclin-D3; D3-type cyclin; G1/S-specific cyclin D3
UniProt Protein Name	G1/S-specific cyclin-D3
UniProt Gene Name	CCND3
UniProt Entry Name	CCND3_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/ccnd3-rat-elisa-kits/cyclin-d3/83018>