

Human Cyclin B (CCNB) ELISA Kit | CCNB elisa kit

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CATALOG #
AAA23044

REACTIVITY
Human

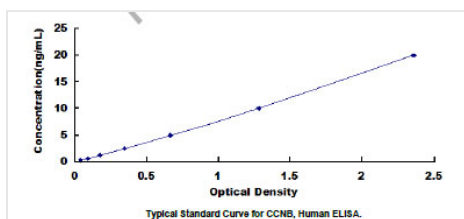
PRODUCT SYNONYMS

Cyclin B (CCNB); Human Cyclin B (CCNB) ELISA Kit; CCNB1; CCN-B; G2/Mitotic-Specific Cyclin B1; CCNB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CCNB. No significant cross-reactivity or interference between CCNB and analogues was observed.
Sequence Length	500
Samples	Human tissue homogenates, cell lysates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	< 0.119ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CCNB were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CCNB were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 CCNB elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CCNB in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to CCNB. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to CCNB. 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 CCNB, 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 CCNB in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	386768468
NCBI GeneID	37618
NCBI Accession #	NP_726245.2
NCBI GenBank Nucleotide #	NM_166556.3
UniProt Accession #	P20439; Q0E8Y2; Q8MME2; Q9I7V2; Q9TYH6; Q9TYH7; Q9V3F4
Molecular Weight	55,923 Da
NCBI Official Full Name	cyclin B, isoform E
NCBI Official Synonym Full Names	Cyclin B
NCBI Official Symbol	CycB
NCBI Official Synonym Symbols	2g; 3510; CG3510; chr2R:18312808..18312907; cyc B; Cyc B; cyc-B; CYC-B; cycb; cycB; Cycb; CYCB; cyclin B; cyclinB; DmccycB; DmelCG3510; mAbF2F4
NCBI Protein Information	CG3510 gene product from transcript CG3510-RE
UniProt Protein Name	G2/mitotic-specific cyclin-B
UniProt Gene Name	CycB

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.