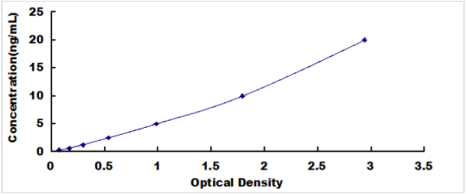
Cyclin B (CCNB) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Cyclin B (CCNB), ELISA Kit
Full Product Name	Human Cyclin B (CCNB) ELISA Kit
Product Gene Name	CCNB elisa kit
Product Synonym Names	CCNB1; CCN-B; G2/Mitotic-Specific Cyclin B1
Species Reactivity	Human
Assay Type	Sandwich
Samples	Tissue homogenates, cell lysates and other biological fluids.
Detection Range	0.312-20ng/mL
Sensitivity	0.124ng/mL
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.
Molecular Weight	44,102 Da
OMIM	M25753 mRNA
3D Structure	ModBase 3D Structure for P14635
Intra Assay	CV<10%
Inter Assay	CV<12%
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for CCNB elisa kit	MBS451939 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Cyclin B (CCNB) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing CCNB. The ELISA analytical biochemical technique of the MBS451939 kit is based on CCNB antibody-CCNB antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CCNB antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CCNB. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of CCNB elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Typical Testing Data/Standard Curve (for reference only) of CCNB elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CCNB. It may not necessarily be applicable to this product.

NCBI GI #	14327896
NCBI GeneID	891
NCBI Accession #	NP_114172.1
UniProt Primary Accession #	P14635
UniProt Secondary Accession #	Q5TZP9; A8K066
UniProt Related Accession #	P14635
GenBank Nucleotide #	NM_031966.3
NCBI Official Full Name	G2/mitotic-specific cyclin-B1
NCBI Official Synonym Full Names	cyclin B1
NCBI Official Symbol	CCNB1
NCBI Official Synonym Symbols	CCNB
UniProt Protein Name	G2/mitotic-specific cyclin-B1
UniProt Gene Name	CCNB1
UniProt Synonym Gene Names	CCNB
NCBI Protein Information	G2/mitotic-specific cyclin-B1
NCBI Summary for CCNB	The protein encoded by this gene is a regulatory protein involved in mitosis. The gene product complexes with p34(cdc2) to form the maturation-promoting factor (MPF). Two alternative transcripts have been found, a constitutively expressed transcript and a cell cycle-regulated transcript, that is expressed predominantly during G2/M phase. The different transcripts result from the use of alternate transcription initiation sites. [provided by RefSeq, Jul 2008]
UniProt Comments for CCNB	Essential for the control of the cell cycle at the G2/M (mitosis) transition.
Research Articles on CCNB	**1.** Data suggest that long non-coding RNA ZFAS1 may function as oncogene via destabilization of tumor suppressor protein p53 (p53) and through cyclin-dependent kinase 1 (CDK1)/cyclin B1 complex leading to cell cycle progression and inhibition of apoptosis.
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